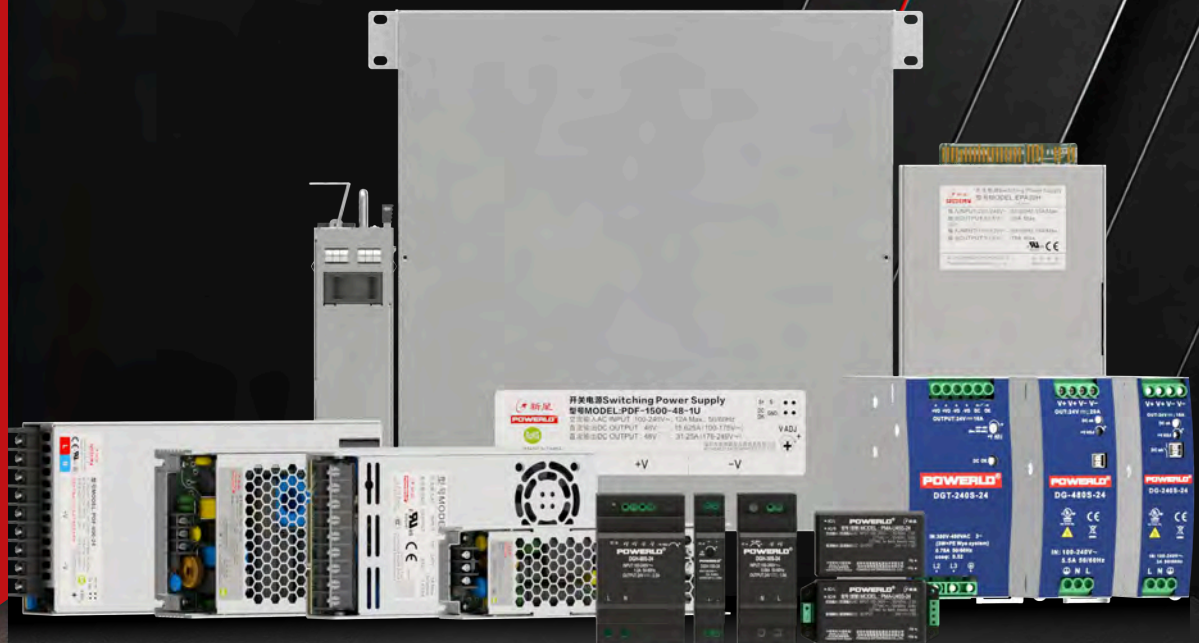


2026 PRODUCT CATALOG

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DC-DC Brick converters

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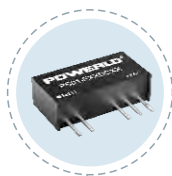
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Constant Voltage Input Series 1-2W

Type	Series	Power/W	Output Voltage/VDC	Isolation/VDC	Package Size/mm
SIP	PBSI01-XXSXXM-R3	1	3.3,5,12,15,24	1500	11.60*10.10*6.00
	PBSL01-XXSXXM-R3	1	3.3,5,9,12,15,24	1500	19.60*10.10*6.00
	PS01-FXXSCXX	1	3.3,5,12,15,24	3000	19.60*10.10*6.00
	PS01-FXXDCXX	1	±5,±12,±15	3000	19.60*10.10*6.00
	PS01-HXXSCXX	1	5,12,15	6000	19.50*9.80*12.50
	PS01-HXXDCXX	1	±5,±9,±12,±15	6000	19.50*9.80*12.50
	PS01-HXXDCXX	2	5,12,15,24	1500	19.60*7.00*10.10
	PS02-BXXSCXX	2	±5,±12,±15	1500	19.6*07.00*10.10
	PS02-FXXSCXX	2	5,12,15,24	3000	19.60*7.00*10.10
	PS02-FXXDCXX	2	±5,±9,±12,±15	3000	19.60*7.00*10.10
	PS02-HXXSCXX	2	5,12,15	6000	19.50*9.80*12.50
	PS02-HXXDCXX	2	±5,±9,±12,±15	6000	19.50*9.80*12.50
SMD	PM01-BXXSCXX	1	3.3,5,12,15,24	1500	13.20*11.50*6.50
	PM01-FXXSCXX	1	3.3,5,12,15,24	3000	13.20*11.50*6.50
	PM01-FXXDCXX	1	±5,±12,±15,±24	3000	16.04*11.50*6.50
DIP	PD01-BXXSCXX	1	3.3,5,12,15,24	1500	12.70*10.20*7.80
	PD02-BXXSCXX	2	3.3,5,9,12,15,24	1500	12.70*10.16*7.80
SIP	PSD75-BXXSXXX	0.75	3.3,5,9,12,15	1500	11.60*6.00*10.10
	PS01-BXXSXXX	1	5,12	1500	19.60*10.10*6.00
	PFSI01-XXSXXM-R3	1	3.3,5,9,12,15,24	1500	19.60*10.10*6.00

Note: 1. The "XX" before the product model name represents the nominal value of the input voltage, the "XX" after represents the nominal value of the output voltage.

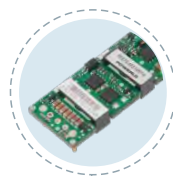
2. This manual is about the latest product presentation, if the product introduced in the manual does not meet your need, please contact our phone: 400-007-1991.



SIP Series



DIP Series



Brick Converters



Display Converters

Wide Voltage Input Series 1-50W

Type	Series	Power/W	Output Voltage/VDC	Isolation/VDC	Package Size/mm
SIP	PS01-XXXX	1	3.3,5,12,24	1500	22.00*9.50*12.00
	PS01-XXDXX	1	±3.3,±5,±12,±24	1500	22.00*9.50*12.00
	PS01-BXXXX	1	3.3,5,9,12,15,24	1500	22.00*9.50*12.00
	PGSI01-XXSXXM-R3	1	3.3,5,9,12,15,24	3000	22.00*9.50*12.00
	PGSI01-XXDXXM-R3	1	±5,±9,±12,±15,±24	3000	22.00*9.50*12.00
	PS03-CXXXX	3	3.3,5,12,15,24	3000	22.00*9.50*12.00
	PS03-CXXDXX	3	±5,±12,±15,±24	3000	22.00*9.50*12.00
	PS03-BXXXX	3	3.3,5,9,12,15,24	1500	22.00*9.50*12.00
	PS03-BXXDXX	3	±5,±9,±12,±15	1500	22.00*9.50*12.00
	PS06-BXXXX	6	3.3,5,9,12,15,24	1500	22.00*9.50*12.00
	PS06-BXXDXX	6	±5,±9,±12,±15,±24	1500	22.00*9.50*12.00
	PS10-BXXXX	10	3.3,5,12,15,24	1500	22.00*9.50*12.00
DIP	PWL06-XXSXXM-R3	6	3.3,5,9,12,15,24	1500	25.40*25.40*11.70
	PDL06-BXXDXX	6	±5,±12,±15,±24	1500	25.40*25.40*11.70
	PDJ06-XXSXXMY-W	6	3.3,5,12,15,24	1500	31.75*20.32*10.16
	PDJ06-XXDXXMY-W	6	±5,±12,±15	1500	31.75*20.32*10.16
	PDL10-XXSXXP-WR3	10	3.3,5,12,15,24	1500	25.40*25.40*11.70
	PDL10-BXXDXX	10	±5,±12,±15,±24	1500	25.40*25.40*11.70
	PDL20-XXSXXP-WR3	20	3.3,5,9,12,15,24	1500	25.40*25.40*11.70
	PDL20-BXXDXX	20	±5,±12,±15,±24	1500	25.40*25.40*11.70
	PDD25-XXSXXMY	25	3.3,5,12,15	1500	50.80*25.40*10.16
	PHD30-XXSXXP-R3	30	3.3,5,12,15,24,28	3000	50.80*25.40*10.16
	PHD30-BXXDXX	30	±5,±12,±15,±24	3000	50.80*25.40*10.16
	PHD50-BXXXX	50	3.3,5,12,15,24,28	1500	50.80*25.40*10.16

DC-DC Brick Converters

Type	Series	Power/W	Output Voltage/V	Isolation/VDC	Package Size/mm
1/16 Brick	PES50-48SXXP-R3	50	3,3,5,12,28	1500	33.02*22.86*10.20
	PES50-48SXXN-R3	50	3,3,5,12,28	1500	33.02*22.86*10.20
	PES50-48SXXP-IR3	50	3,3,5,12,28	1500	33.02*22.86*12.70
	PES50-48SXXN-IR3	50	3,3,5,12,28	1500	33.02*22.86*12.70
	PES60-4812	60	12	1500	33.02*22.86*12.70
	PES75-48SXXP-R3	75	5,12,28	1500	33.02*22.86*10.20
	PES75-48SXXN-R3	75	5,12,28	1500	33.02*22.86*10.20
	PES75-48SXXP-IR3	75	5,12,28	1500	33.02*22.86*12.70
	PES75-48SXXN-IR3	75	5,12,28	1500	33.02*22.86*12.70
	PES100-48XX	100	5,12,15,28	1500	33.02*22.86*9.75
	PES100-48XXN	100	5,12,15,28	1500	33.02*22.86*9.75
	PES200-4812	200	12	1500	33.02*22.86*12.00
	PES200-4812N	200	12	1500	33.02*22.86*12.00
1/8 Brick	PEE50-48S12NY-6	50	12	1500	57.94*22.81*9.80
	PEE50-48S12NY-I-6	50	12	1500	57.94*22.81*12.70
	PEE75-48SXXNY-6	75	5,12,14,48	1500	57.94*22.81*9.80
	PEE75-48SXXNY-I-6	75	5,12,14,48	1500	57.94*22.81*12.70
	PEE100-48SXXNY-6	100	3,3,12	1500	57.94*22.81*9.80
	PEE100-48SXXNY-I-6	100	3,3,12	1500	57.94*22.81*12.70
	PEE150-48SXXNY-6	150	1,0,3,3,5	1500	57.94*22.81*9.80
	PEE150-48SXXNY-I-6	150	1,0,3,3,5	1500	57.94*22.81*12.70
	PEE240-48S12NY-6	240	12	1500	57.94*22.81*10.90
	PEE240-48S12NY-6	240	12	1500	57.94*22.81*13.50
	PEE240-48S12NY-H-6	240	12	1500	57.94*22.81*22.00
1/4 Brick	PEQ400-48S48NY-I-6	400	48	1500	57.94*36.81*13.70
	PEQ400-48S48NY-H-6	400	48	1500	57.94*36.81*25.60

DC-DC Non-isolated Converters

Type	Series	Power/W	Output Voltage/V	Output Current (A)	Package Size/mm
SIP	PNSD5-B24XX	*	3.3,5,6.5,9,12,15	0.5	11.60*7.50*10.20
	PNS01-B24XX	*	3.3,5,9,12,15	1	11.50*9.10*17.50
	PNS06-5SAN-B	*	0.75-3.63	6	23.40*10.20*5.90
	PNS06-12SAN-B	*	0.75-5	6	23.40*10.20*5.90
	PNS10-12SAN-B	*	0.75-5	10	23.40*10.20*6.90
	PNJ16-5SANY	*	0.75-3.63	16	50.80*12.70*7.50
	PNJ16-12S4V2PY-B	*	4.2	16	50.80*12.70*7.50
	PNJ16-12S05PY-B	*	5	16	50.80*12.70*7.50
DIP	PNL30-12SAWPY-E-A	*	0.7-3.6	30	34.80*15.75*9.70
	PNS80-12SAPY-B	*	0.84-2	80	61.00*31.80*14.60

DC-DC Industrial Converters

Type	Series	Power/W	Output Voltage/V	Isolation/VDC	Package Size/mm
*	PNJ03-5S12MY-A	36	12	*	67.90*41.90*15.00
	PNJ05-4S05MY-A	25	5	*	67.90*41.90*15.00
	PNJ08-24S04MY	32	4	*	100.00*12.00*12.50
Wiring type	PEL137-48S3V9MY-IJK	137	3.9	1500	89.40*36.80*22.00
	PEL150-48S4V2MY-ID	150	4.2	1500	80.00*36.80*22.00
	PEL160-48S3V9MY-IA	160	3.9	1500	80.00*36.80*22.00
	PEL200-48S05MY-IA	200	5	1500	80.00*36.80*22.00
	PEL210-48S4V2MY-IA	210	4.2	1500	96.00*46.10*22.00

DGH Series

DIN Rail Power Supply



DGH-15S-XX



DGH-30S-XX



DGH-60S-XX



Features

- ▶ Input voltage range: 85 ~ 277 VAC / 120 VDC ~ 390 VDC
- ▶ Input overvoltage tolerance: 305 VAC for 5 seconds without damage
- ▶ Operating temperature range: -40°C to +85°C (natural convection cooling)
- ▶ Output protection: Short circuit / Overload / Overvoltage
- ▶ Low standby power consumption, low ripple & noise, high efficiency
- ▶ Overvoltage category III; designed in accordance with EN61558, EN62477, suitable for 2000m altitude
- ▶ 4000 VAC high isolation voltage
- ▶ Suitable for 5000m altitude applications
- ▶ Class II isolation rating
- ▶ Compliant with LPS (Limited Power Source)
- ▶ Mounting rail: TS-35/7.5 or TS-35/15



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
DGH-15S-XX	15W	85~277VAC 120~390VDC	5	2.4	17.5*90*54.5	/
			12	1.25		
			15	1		
			24	0.63		
			48	0.32		
DGH-30S-XX	15W	85~277VAC 120~390VDC	5	3	35*90*54.5	/
	24W		12	2		
	30W		15	2		
	36W		24	1.5		
	36W		48	0.75		
DGH-60S-XX	32.5W	85~277VAC 120~390VDC	5	6.5	52.5*90*54.5	/
	54W		12	4.5		
	60W		15	4		
	60W		24	2.5		
	60W		48	1.25		

DGT-240S-XX



Features

- ▶ 340~550VAC three-phase wide range AC input (capable of two-phase operation)
- ▶ Operating temperature range: -40~70°C (60°C full load)
- ▶ Protection types: Short circuit / Overload / Overvoltage / Overtemperature
- ▶ Efficiency up to 93.6%, low power loss
- ▶ Certifications: UL61010-1, IEC62368-1 (TUV)
- ▶ Fanless, safe and silent operation
- ▶ Built-in constant current limiting circuit
- ▶ Mounting rail: TS-35/7.5 or TS-35/15
- ▶ Built-in DC OK relay contact
- ▶ 3-year warranty



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
DGT-240S-XX	240W	340~550VAC 480~780VDC	24	10	113.2*63*125.2	CE、UL
			48	5		

DGT-480S-XX



Features

- ▶ Input voltage range: 3×320 ~ 600VAC (three-phase input, capable of two-phase operation) / 450 ~ 850VDC
- ▶ Efficiency up to 95.5%, low power loss
- ▶ Output protection: Short circuit / Overload / Overvoltage
- ▶ Wide operating temperature (-40°C ~ 85°C)
- ▶ Natural convection cooling
- ▶ Mounting rail: TS-35/7.5 or TS-35/15
- ▶ 100% full load burn-in test

Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
DGT-480S-XX	480W	320~600VAC	12	30	63*124*124	/
			24	20		
			36	13.3		
			48	10		

DGW-120S-XX



Features

- ▶ Input voltage range: 180 ~ 600VAC / 250VDC ~ 850VDC, single/two-phase input
- ▶ Built-in current limiting circuit
- ▶ Output protection: Short circuit / Overload / Overvoltage
- ▶ Wide operating temperature (-40°C ~ 70°C)
- ▶ Natural convection cooling
- ▶ Mounting rail: TS-35/7.5 or TS-35/15
- ▶ 100% full load burn-in test

Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
DGW-120S-XX	120W	180~600VAC	12	10	40*124*117	/
			24	5		
			48	2.5		

DG-S Series

DIN Rail Power Supply



DG-120S-XX



DG-240S-XX



DG-480S-XX



Features

- ▶ Input voltage range: 85 ~ 305VAC / 100VDC ~ 430VDC (120W)
- ▶ Suitable for installation in compact enclosures and narrow spaces
- ▶ Comprehensive output protection: Short circuit / Overload / Overvoltage / Overtemperature
- ▶ 150% peak power for 3 seconds
- ▶ Built-in DC OK relay contact
- ▶ Mounting rail: TS-35/7.5 or TS-35/15
- ▶ High isolation voltage, suitable for 5000m altitude applications
- ▶ Low ripple & noise
- ▶ Fanless design, natural convection cooling
- ▶ Wide operating temperature range: -40°C ~ 70°C



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
DG-120S-XX	120W	85~305VAC 100~430VDC	12	10	32*124*119	/
			24	5		
			36	3.33		
			48	2.5		
			55	2.18		
DG-240S-XX	204W	85~264VAC	12	17	32*124*119	UL CE
	240W		24	10		
			36	6.66		
			48	5		
			55	4.36		
DG-480S-XX	480W	85~264VAC 125~370VDC	24	20	45*124*119	CE
			36	13.3		
			48	10		
			55	8.72		
DG-H960S-XX	960W	180~264VAC	24	40	100*124*127	/
			36	36.2		
			48	20		

DG-U Series

DIN Rail Power Supply



DG-U75S-XX



DG-U120S-XX



DG-U480S-XX



Features

- ▶ Input voltage range: 90 ~ 264VAC / 127 ~ 370VDC
- ▶ Wide operating temperature (–40°C~70°C)
- ▶ High isolation voltage, suitable for 5000m altitude applications
- ▶ Mounting rail: TS-35/7.5 or TS-35/15
- ▶ Output protection: Short circuit / Overload / Overvoltage
- ▶ 100% full load burn-in test



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
DG-U75S-XX	75W	90~264VAC 127~370VDC	12	6.3	32*124*119	UL CE
			24	3.2		
			36	2.1		
			48	1.6		
DG-U120S-XX	120W	90~264VAC 127~370VDC	12	10	32*124*119	UL CE
			24	5		
			36	3.3		
			48	2.5		
			55	2.18		
DG-U480S-XX	480W	90~264VAC 127~370VDC	24	20	45*124*119	CE
			36	13.3		
			48	10		
			55	8.72		

DG Series

DIN Rail Power Supply



DG-15-SXX



DG-30-SXX



DG-60-SXX



Features

- ▶ Input voltage range: 90 ~ 264VAC / 127 ~ 370VDC
- ▶ Built-in current limiting circuit
- ▶ Output protection: Short circuit / Overload / Overvoltage
- ▶ Wide operating temperature (-25°C ~ 70°C)
- ▶ Natural convection cooling
- ▶ Mounting rail: TS-35/7.5 or TS-35/15
- ▶ 100% full load burn-in test



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
DG-15-SXX	15W	90~264VAC 127~370VDC	12	1.25	32*103.7*97.5	UL CE CB
			24	0.65		
DG-30-SXX	30W	90~264VAC 127~370VDC	12	2.5	32*103.7*97.5	UL CE CB
			24	1.25		
DG-60-SXX	60W	90~264VAC 127~370VDC	12	5	32*103.7*97.5	UL CE CB
			24	2.5		
			48	1.25		

DG Series

DIN Rail Power Supply



DG-75-XX



DG-120-XX



DG-240-XX



DG-360-XX



DG-480-XX



DG-960-XX



Features

- ▶ Input voltage range: 85 ~ 264VAC / 88 ~ 360VDC
- ▶ Width only 32mm
- ▶ Active PFC function, PF≥0.95
- ▶ Efficiency up to 91%
- ▶ Current sharing function when paralleled
- ▶ Comprehensive output protection: Short circuit / Overload / Overvoltage / Overtemperature
- ▶ 100% full load burn-in test
- ▶ High efficiency, long life and high reliability
- ▶ 150% (180W) peak load capability
- ▶ Easy Fuse Tripping due to High Overload Current
- ▶ Excellent Partial Load Efficiency
- ▶ Wide operating temperature (-25°C ~ 70°C)
- ▶ Built-in DC OK relay contact
- ▶ Natural convection cooling
- ▶ Mounting rail: TS-35/7.5 or TS-35/15
- ▶ 3-year warranty



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
DG-15-SXX	15W	90~264VAC 127~370VDC	12	6.3	32*124*119	UL CE
			24	3.2		
			48	1.6		
DG-120-XX	85W	85~264VAC 88~360VDC	12	8.33	32*124*119	UL CE
			24	5		
			48	2.5		
DG-240-XX	240W	85~264VAC 120~375VDC	24	10	45*124*119	UL、CE CB
			48	5		
DG-360-XX	360W	85~264VAC 110~375VDC	24	15	50*124*127	/
			36	10		
			48	7.5		
DG-480-XX	480W	85~264VAC 120~375VDC	24	20	70*124*127	UL CE
			48	10		
DG-960-XX	960W	85~264VAC	24	40	110*124*127	/
			48	20		
DGR-40II	480W	85~264VAC	12-56	40	32*124*119	/



PMA-U5SXX-SII



PMA-U30S-XX



PMA-U45S-XX



PMA-U60S-XX



Features

- ▶ Input voltage range: 85~305VAC / 100~430VDC
- ▶ Output protection: Short circuit / Overload / Overvoltage
- ▶ Wide operating temperature (-40°C~85°C)
- ▶ High isolation voltage 4000Vac
- ▶ Suitable for 5000m altitude applications
- ▶ Overvoltage category III (2000m)



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
PMA-U5S5-SII	5W	90~264VAC	5	1	55*45*20	/
PMA-U30S-XX	30W	85~305VAC 100~430VDC	5	6	PCB mount type: 69.5*39*24 Screw terminal type: 91*39.5*28.5	UL CE
			12	2.5		
			15	2		
			24	1.3		
			48	0.63		
PMA-U45S-XX	40W	85~305VAC 100~430VDC	5	8	87*52*29.5	UL CE
			12	3.8		
			15	3		
			24	1.9		
			48	0.94		
PMA-U60S-XX	50W	85~305VAC 100~430VDC	5	10	87*52*29.5	UL CE
			12	5		
			15	4		
			24	2.5		
			48	1.25		

PGF Series

Potting Power Supply



PGF-200-XX



PGF-350-XX



PGF-500-XX



PGF-750-XX



PGF-800-XX



Features

- ▶ Input voltage range: 90~264VAC / 120~370VDC
- ▶ Output protection: Short circuit / Overload / Overvoltage / Overtemperature
- ▶ Active PFC
- ▶ Suitable for 5000m altitude applications
- ▶ LED power indicator
- ▶ (200W~750W) Fanless design, natural convection cooling
- ▶ Wide operating temperature range: -30°C~70°C
- ▶ Semi-potting, suitable for harsh environments (dusty, high humidity, etc.)
- ▶ High efficiency, high reliability, 100% full load burn-in test



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
PGF-200-XX	200W	90~264VAC 120~370VDC	12	16.7	194*55*26	CE CCC
			24	8.4		
			36	5.6		
			48	4.2		
PGF-350-XX	350W	90~264VAC 120~370VDC	12	29.2	220*62*31	UL, CB, CE, CCC
			24	14.6		
			36	9.7		
			48	7.9		
PGF-500-XX	500W	90~264VAC 120~370VDC	12	41.7	232*81*31	CCC
			24	20.8		
			48	10.4		
PGF-750-XX	750W	90~264VAC 120~370VDC	12	62.5	237*100*41	/
			24	31.3		
			36	20.9		
			48	15.7		
PGF-800-XX	800W	90~264VAC	24	33.3	218*116.5*40.7	/
			48	16.6		

PG-H Series

Potting Power Supply



PG-H200-XX



PG-H350-XX



Features

- ▶ Input voltage range: 176~305VAC / 240~430VDC
- ▶ Output protection: Short circuit / Overload / Overvoltage / Overtemperature
- ▶ Fanless design, natural convection cooling
- ▶ LED power indicator
- ▶ 4000Vac isolation voltage
- ▶ Wide operating temperature range: -40°C~85°C
- ▶ Semi-potting, suitable for harsh environments (dusty, high humidity, etc.)
- ▶ High efficiency, high reliability, 100% full load burn-in test



Specifications

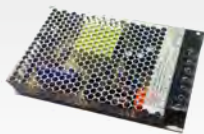
Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
PG-H200-XX	200W	176-305VAC 240~430VDC	12	16.7	194*53*26	CQC
			26	8.4		
			36	5.6		
			48	4.2		
			54	3.75		
PG-H350-XX	350W	176-305VAC 240~430VDC	12	29.2	220*60*31	CQC
			24	14.6		
			36	9.7		
			48	7.3		
			55	6.3		

LPD-H Series

Enclosed Power Supply (W/O PFC)



LPD-H50-XX



LPD-H150-XX



LPD-H350S-XXIII



LPD-H450-SX



Features

- ▶ (35W-200W) Fanless, safe and silent operation
- ▶ Operating temperature range: -30~70°C
- ▶ Output short circuit, overload, overvoltage protection
- ▶ Suitable for 5000m altitude applications
- ▶ 100% full load burn-in test
- ▶ High efficiency, long life, high reliability



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
LPD-H35-XXA	35W	176~264VAC	12	3	94*51*28.8	CCC CB CE UL
			15	2.4		
			24	1.5		
			48	0.75		
LPD-H50-XX	50W	176~264VAC	12	4.2	99*82*30	CCC
			24	2.2		
			36	1.4		
			48	1.1		
LPD-H150-XX	150W	176~264VAC	12	12.5	159*97*30	CCC
			24	6.25		
			36	4.15		
			48	3.125		
LPD-H200-XX	200W	176~264VAC	12	17	159*97*30	CQC
			15	13.3		
			24	8.8		
			36	5.6		
LPD-H350S-XXIII	350W	180~264VAC	48	4.2	191*99*30	CQC
			12	29		
			15	23.33		
			24	14.6		
LPD-H450-SX	450W	176~264VAC	27.5	12.7	215*115*50	CE
			36	9.7		
			48	7.3		
			24	19		
			48	9.5		

LPD-L/H Series

Enclosed Power Supply (W/O PFC)



LPD-L/H350-XX



LPD-L/H450



LPD-L/H600-XX

Features

- ▶ Output short circuit, overload, overvoltage, overtemperature protection
- ▶ 100% full load burn-in test
- ▶ Operating temperature range:-25°C~70°C
- ▶ High efficiency, long life, high reliability
- ▶ Suitable for 5000m altitude applications

Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
LPD-L/H200-XX	200W	90~132VAC 180~264VDC (Voltage Select)	12	16.7	215*115*30	UL CB CE-LVD CQC
			24	8.3		
			36	5.5		
			48	4.2		
LPD-L/H350-XX	350W	90~132VAC 180~264VDC (Voltage Select)	12	29	215*115*30	UL CB CE-LVD CQC
			24	14.6		
			27.5	12.7		
			36	9.7		
			48	7.4		
LPD-L/H450	450W	90Vac~132Vac/ 180Vac~264Vac (Voltage Select)	12	37.5	216.5*115*35	/
			15	30		
			24	18.75		
			27	16.7		
			36	12.5		
			48	9.4		
LPD-L/H600-XX	600W	90~132VAC 180~264VDC (Voltage Select)	24	25	215*115*50	UL CB CE-LVD CQC
			36	16.7		
			48	12.5		

LPD-L/H600D220+18F Series

Enclosed Power Supply (W/O PFC)

LPD-L/H600D220+18



Features

- ▶ 90~132 / 180~264Vac input
- ▶ Protection: Overtemperature / Output short circuit / Output overload / Overvoltage
- ▶ Operating temperature range: -25°C~70°C
- ▶ High efficiency, long life and high reliability
- ▶ V1 can withstand 10ms output reverse voltage without power dropout
- ▶ Suitable for industrial control applications
- ▶ Forced air cooling (built-in fan)

Specifications

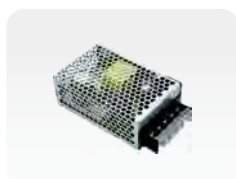
Model	Power	Input Voltage (VAC)	Output Voltage (VDC)V1	Output Voltage (VDC)V2	Output Current (A)I1	Output Current (A)I2	Dimensions (mm)	Certification
LPD-L/H600D220+18F	V1:616W V2:18W	90~132 /180~264VAC	220	18	2.8A	1A	230*115*50	CCC CB CE UL

LPD-U Series

Enclosed Power Supply (W/O PFC)



LPD-U15-XXA



LPD-U25-XX



LPD-U50-XX



LPD-U75-XX



LPD-U100-XX



Features

- ▶ Fanless, safe and silent operation
- ▶ Operating temperature range: -30~70°C
- ▶ Output short circuit, overload, overvoltage protection
- ▶ Suitable for 5000m altitude applications
- ▶ High efficiency, long life, high reliability



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
LPD-U15-XXA	15W	90~264VAC	5	3	94*51*28.8	CCC CB CE UL
			12	1.25		
			15	1		
			24	0.63		
			48	0.32		
LPD-U25-XX	25W	90~264VAC	5	5	94*51*28.8	CCC CB CE UL
			12	2.1		
			15	1.7		
			24	1.1		
			48	0.5		
LPD-U50-X	50W	90~264VAC	12	4.2	99*82*30	CCC CB CE UL
			24	2.2		
			36	1.4		
			48	1.1		
LPD-U75-XX	75W	90~264Vac (130 ~ 373VDC)	5	12	99.7*97*30	CCC CB CE UL
			12	6		
			15	5		
			24	3.2		
			36	2.1		
			48	1.6		
LPD-U100-XX	100W	90~264VAC	12	8.5	129*97*30	CCC CB CE UL FCC
			15	7		
			24	4.5		
			28	3.7		
			36	3		
			48	2.3		

LPD-X Series

Enclosed Power Supply (W/O PFC)



LPD-150-XXBII

Features

- ▶ Operating temperature range: -30~70°C
- ▶ Output protection: Short circuit, overload, overvoltage
- ▶ Suitable for 5000m altitude applications
- ▶ Input protection: Undervoltage protection
- ▶ Input voltage 300Vac, withstand 5 seconds without damage
- ▶ High efficiency, long life, high reliability

Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
LPD-50-SXX	50W	90~264VAC	12	4.2	99*82*30	CCC CB CE UL
			24	2.1		
			48	1.1		
LPD-150-XXBII	150W	90~264VAC	12	12.5	159*97*30	CCC CB CE UL
			24	6.25		
			36	4.15		
			48	3.125		

LPF-350-XX



Features

- ▶ Input voltage range: 88~264VAC
- ▶ Output protection: Short circuit, overload, overvoltage, overtemperature
- ▶ Efficiency up to 90.5%
- ▶ Ultra-wide operating temperature range(-30°C~70°C)
- ▶ 100% full load burn-in test
- ▶ Active PFC function



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
LPF-200-XX	200W	88~264VAC	12	16.7	190*99*29.8	CCC CB CE UL
			15	13.33		
			24	8.3		
			36	5.55		
			48	4.17		
LPF-350-XX	350W	88~264VAC	12	29.2	190*99*29.8	CCC CB CE UL
			15	23.3		
			24	14.58		
			27	12.97		
			36	9.7		
			48	7.3		

PDF Series

Enclosed Power Supply (Built-in PFC)



PDF-600-CXX



PDF-800-XX



PDF-1500-XX-1U



PDF-2000-XX-1.5U



Features

- ▶ Input voltage range: 90~264VAC
- ▶ Active PFC function
- ▶ Suitable for industrial control and impact load applications, prevents output side leakage voltage
- ▶ Comprehensive protection: Short circuit, overload, overvoltage, overtemperature
- ▶ Built-in fan with temperature and load controlled fan design
- ▶ High efficiency, high power density, long life and high reliability



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
PDF-500L-XX	500W	90~264VAC	12	42	218*116.5*40.7	CB CE UL
			24	21		
			27.5	18		
			39	13		
PDF-600-CXX	600W	90~264VAC	12	50	218*116.5*41	CCC(24V)、CB CE、UL
			24	25		
			36	16.6		
PDF-800-CXX	648W	90~264VAC	48	12.5	226*116.5*41	CCC CE
			12	54		
			24	33		
PDF-800-XX	800W	90~264VAC	36	22.2	226*116.5*41	/
			48	16.6		
			24	42		
PDF-1000-XX	1000W	90~264VAC	48	21	226*116.5*41	/
			24	50		
			36	33		
PDF-1200-XX	1200W	90~264VAC	48	25	226*116.5*41	/
			42	35.7		
			48	31.25		
PDF-1500-XX-1U	1500W	90~264VAC	24	84	295*127*63	/
			48	41.6		
			48	41.6		

PDF-H Series

Enclosed Power Supply (Built-in PFC)



PDF-H500



PDF-H1000



PDF-H1200



Features

- ▶ 176Vac-285Vac voltage input
- ▶ Protection: Input overvoltage/undervoltage protection; Output overcurrent, overvoltage, short circuit, overtemperature protection
- ▶ Wide operating temperature range: -30°C~70°C
- ▶ Conformal coating
- ▶ 100% full load burn-in test
- ▶ Long life and high reliability, efficiency up to 94.6%
- ▶ Suitable for 5000m altitude applications
- ▶ Active PFC
- ▶ High cost-performance ratio

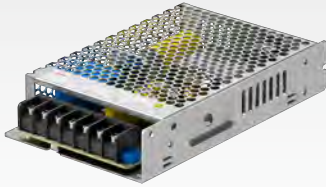


Specifications

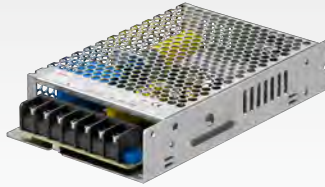
Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
PDF-H500S-XXD	504W	176~285VAC	24	21	199*99*50	/
			48	10.5		
PDF-H1000S-XX	1008W	176~285VAC	24	42	199*99*50	/
	1200W		48	25		
PDF-H1200S-XXW	1104W	176~285VAC	24	46	199*99*50	/
	1200W		48	25		

GK Series

Enclosed Power Supply (Multi-Output)



GK-H100D24+24G



CMG-H150D12G+24G



GK-H240S12R24-C

Features

- ▶ Protection: Output short circuit / overload / overvoltage
- ▶ High efficiency, long life, high reliability
- ▶ Operating temperature range: -30°C~70°C
- ▶ Fanless, completely silent operation
- ▶ 100% full load burn-in test

Specifications

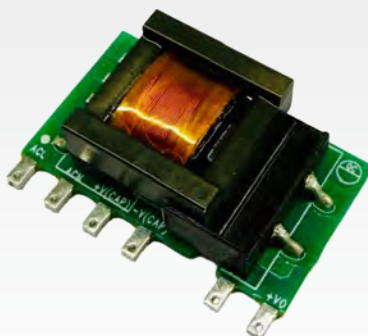
Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
GK-H100D24+24G	100W	176~264VAC 240~370VDC	24	2.2	159*97*30	CE
			24	2.2		
CMG-H150D12G+24G	150W	176~264VAC	12	5	159*97*30	CE CCC
			24	5		
GK-H240S12R24-C	240W	180~264VAC 250~370VDC	12/24 STB signal open/short switching	10	199*99*50.3	CQC

PS-U Series

Open Frame Power Supply (W/O PFC)



PS-U3-5



PS-U5-XX



Features

- ▶ No-load power consumption <0.15W
- ▶ Protection: Output short circuit protection, overload protection
- ▶ Suitable for 5000m altitude applications
- ▶ Compact size, high power density, green and environmentally friendly



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
PS-U3-5	3W	85~264VAC	5	0.6	26.4*12.58*11.2	/
PS-U5-XX	5W	85~305VAC 70~430VDC	3.3	1	26.4*14.7*11	/
			5	1		
			9	0.56		
			12	0.42		
			15	0.34		
			24	0.21		

PS Series

Open Frame Power Supply (W/O PFC)



PS-35/45-CX-L



PS-60-CX-L



PS-120-XX



PS-150S-XX



Features

- ▶ Wide input voltage range:90Vac-264Vac
- ▶ High efficiency, long life, high reliability
- ▶ Protection: Output short circuit / overload / overvoltage
- ▶ High isolation voltage, suitable for 5000m altitude applications
- ▶ Operating temperature range: -40°C~70°C



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
PS-35-CX-L	35W	90~264VAC	12	3	101.6*51*32	CCC CE UL
			15	2.4		
			24	1.5		
			27.5	1.3		
			36	1		
			48	0.75		
PS-45-CX-L	45W	90~264VAC	12	3.7	101.6*51*32	CCC CE UL
			15	3		
			24	1.9		
			27.5	1.6		
			36	1.25		
			48	1		
PS-60-CX-L	60W	90~264VAC	12	5	101.6*51*32	CCC CE UL
			15	4		
			24	2.5		
			27.5	2.15		
			36	1.65		
			48	1.25		
PS-120-XX	120W	80~264 VAC 113~370VDC	12	10	101.6*50.8*29	UL、CB CE-EMC
			24	5		
PS-150S-XX	150W	90~264VAC 120~370VDC	12	12.5	101.6*50.8*31.6	/
			24	6.25		
			36	4.16		
			48	3.13		

PSF Series

Open Frame Power Supply (Built-in PFC)



PSF-100S



PSF-120S



PSF-150S



PSF-230S



PSF-300



PSF-550S



Features

- ▶ Voltage input: 85Vac ~ 264 Vac/120Vdc~370Vdc
- ▶ High efficiency, long life and high reliability
- ▶ Protection: Output short circuit / overload / overvoltage protection
- ▶ Fanless, completely silent operation
- ▶ Wide operating temperature range: (-40°C~70°C)
- ▶ 100% full load burn-in test



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
PSF-100S	100W	90~290VAC 180~320VDC	12	8.4	101.6*50.8*35	/
PSF-120S	120W	80~264VAC 113~370VDC	12	9.5	76.2*50.8*31	/
			24	5		
			36	3.33		
			84	2.5		
PSF-150S	150W	85~264VAC 120~373VDC	12	12.5	101.6*50.8*32	/
			24	6.25		
			36	4.16		
			48	3.12		
PSF-230S	230W	85~264VAC 120~370VDC	12	19.2	103.5*50.8*25.4	UI、CE CB、CCC
			24	9.58		
			36	6.39		
			48	4.8		
			65	3.53		
PSF-300	300W	90~264VAC 127~370VDC	12	25	127*76.2*25.4	UI、CE CB、CCC
			24	14.6		
			27	12.97		
			36	9.73		
			48	7.3		
			54	6.5		
PSF-400S	400W	80~264VAC 113~370VDC	12	33.3	127*76.2*40.5	/
			24	16.7		
			36	11.2		
			48	8.4		
			54	7.5		
PSF-550S	550W	80~264VAC 113~370VDC	12	41.7	127*76.2*40.5	/
			24	22.9		
			36	15.3		
			48	11.46		
			54	10.2		



POE-U550D56+9



POE-U660D48+12



POE-U800D52+12.5

Features

- ▶ 165~285Vac wide voltage input
- ▶ Wide operating temperature range:-40~85°C
- ▶ Protection: Input overvoltage/undervoltage protection, output overcurrent protection, output overvoltage protection, output short circuit protection and alarm function
- ▶ Input overvoltage/undervoltage protection, output overcurrent protection, output overvoltage protection, output short circuit protection and alarm function
- ▶ High efficiency, long life, high reliability

Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
POE-U280D54+12	280W	90~264VAC	12	2	220*100*38	/
			54	4.7		
POE-U400D54+12A	400W	90~264VAC	12	2	220*100*38	/
			54	4.7		
POE-U550D56+9	550W	165~285VAC	9	8.5	220*115*39.5	/
			56	8.7		
POE-U660D56+12	660W	190~264VAC	12.5	8	125*102*39	/
			56	10		
POE-U660D48+12	660W	165~285VAC	12.5	15	125*102*45	/
			48	10		
POE-U800D49+12.5	800W	165~285VAC	12.5	5.2	125*102*45	/
			49	15		
POE-U800D52+12.5	800W	165~285VAC	12.5	5.2	125*102*45	/
			52	14.13		

PSL Series

Telecom Power Supply



PSL150-56A



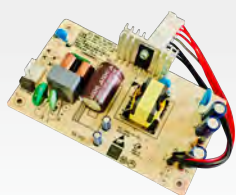
PSL-U15S5



PSL-U25S12



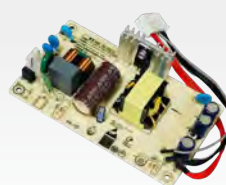
PSL-U36S12



PSL-U40S-12



PSL-U60S-12



PSL-U75S-12



PSU150S54II



Features

- ▶ Protection: Output short circuit / overload / overvoltage
- ▶ High efficiency, long life, high reliability
- ▶ Operating temperature range: -40°C~75°C
- ▶ High surge immunity: Differential mode ±6KV, Common mode ±6KV
- ▶ 100% full load burn-in test
- ▶ High isolation voltage, suitable for 5000m altitude applications



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
PSL-U15S5	15W	90~264VAC	5	3	100*46*30	/
PSL-U25S12	25W	90~264VAC	12	2	106.5*52*30	CCC、CE
PSL-U25S-12						/
PSL-U36S12	36W	90~264VAC	12	3	108*51*29	CCC
PSL-U40S-12	40W	85~290VAC	12	3.3	127*76.*28	/
PSL-U60S12	60W	90~264VAC	12	5	101.6*50.8*33	CE
PSL-U60S-12		85~290VAC			127*76.2*28	/
PSL60-12A1		90~290VAC			126*75.2*30	/
PSL-U75S-12	75W	90~290VAC	12	6.25	127*76*28	/
PSL150-56A	150W	90~290VAC	55.5	2.7	127*76.2*38.1	/
PSU150S54II	150W	90~264VAC	54	2.78	135.5*76.5*32	/

Hot-Swap Series

Telecom Power Supply



RG-PA150IB-F



EPA-A30H



Features

- ▶ 90Vac~290Vac wide voltage input
- ▶ Excellent output dynamic characteristics, suitable for impact loads
- ▶ Protection: Output short circuit / overcurrent / overvoltage protection
- ▶ Input overvoltage/undervoltage protection, overtemperature protection
- ▶ Wide operating temperature range (-10°C~60°C)
- ▶ 100% full load burn-in test, high efficiency, long life and high reliability
- ▶ Fan intelligent control, low noise $\leq 45\text{dB}$
- ▶ Hot-swap redundant design, parallel operation with current sharing imbalance $\leq \pm 5\%$
- ▶ Compliant with PMBUS REV1.2 communication protocol
- ▶ Equipped with I²C communication and related protection functions
- ▶ Equipped with black box function (fault memory function)
- ▶ Input fault alarm, output fault alarm



Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
PSU-F75S-12	75W	90~290VAC	12	6.3	177.8*101.6*41.1	/
RG-PA150IB-F	150W	90~290VAC	12	12.5	206.5*50.5*40	CCC CB
RG-PA300I-FII	300W	90~290VAC	12	25	208*86.4*40.5	CCC
EPA-A20H	1070W	90~264VAC	53.5	20	208*116.5*41.6	/
EPA-A30H	1605W	90~264VAC	53.5	30	208*116.5*41.6	/



AN4802-10AII



AN4812-01TA

Features

- ▶ 90~286Vac wide voltage input
- ▶ Functions: Input overvoltage/undervoltage protection, output overcurrent protection, output overvoltage protection, output short circuit protection, overtemperature protection and alarm function
- ▶ Wide operating temperature range (-33°C~65°C)
- ▶ 100% full load burn-in test

Specifications

Model	Power	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (A)	Dimensions (mm)	Certification
AN4802-10AII	3480W	100~120VAC	53.5	30	486*241*44	/
		100~120VAC	53.5	60		
AN4802-22A	4860W	100~120VAC	53.5	45	440*215*87	/
		200~240VAC	53.5	60		
AN4812-01TA	/	/	36~72	RS422 Protocol	214*126*41.6	/

40W Series

LED Screen Power Supply



Features

- ▶ Input voltage 90~264VAC
- ▶ Operating temperature range: -30~45°C
- ▶ Leakage current $\leq 0.25\text{mA}$
- ▶ Protection: Output short circuit, overload
- ▶ High efficiency, long life, high reliability
- ▶ Light weight
- ▶ Standby power consumption $< 2\text{W}$



VAT-UP40S-5-25L



Specifications

Model	Input Voltage (VAC)	Output Voltage (VDC) / Current (A)	Efficiency	Dimensions (mm)	Certification
VAT-UP40S-5-25L	90~260VAC	5V/8A	77%	213*25*20.5	TUV、CE

100W Ultra-Slim Series

LED Screen Power Supply



Features

- ▶ Input voltage range: 90~264VAC
- ▶ Operating temperature range: -40~70°C
- ▶ Leakage current $\leq 1\text{mA}$
- ▶ Protection: Output short circuit, overload, overvoltage, overtemperature
- ▶ High efficiency, long life, high reliability
- ▶ All use 105°C long-life electrolytic capacitors, 100% full load burn-in test
- ▶ Active PFC function
- ▶ Ultra-compact size



VAT-UP100S-X-19H-50L



Specifications

Model	Input Voltage (VAC)	Output Voltage (VDC) / Current (A)	Efficiency	Dimensions (mm)	Certification
VAT-UP100S-X-19H-50L	90~264VAC	2.8-4.5V/25A	90%	120*50*19	CE、CB UL、CCC
VAT-UP100DX+Y-19H-50L	90~264VAC	X:3.8-4.5V/15A Y:2.8-3.8V/10A	87%	120*50*19	CE、CB UL、CCC

200W Series

LED Screen Power Supply



LV-LH200-X



VAT-UP200D3.2+4.2-13H



VAT-UP200D3.2+4.2-13H-P



VAT-UP200S-4.5-19H



VAT-UP200S-4.5-19H-50LAS



VAT-UP200S-4.2-19H-50L-P



VAT-UP200S-4.6-19H-137L



VAT-UP200S-4.5-55L (-P)



VAT-UP200S-X-19H-50LX



VAT-UP200S-X-23H-55L



VAT-UP200U-4.5III



Features

- ▶ Input voltage 90~264VAC, 180~264VAC
- ▶ Operating temperature range:: -40~70°C
- ▶ Leakage current≤1mA
- ▶ Protection:Output short circuit, overload, overtemperature, overvoltage
- ▶ High efficiency, long life, high reliability
- ▶ 100% full load burn-in test
- ▶ Low ripple & noise



Specifications

Model	Input Voltage (VAC)	Output Voltage (VDC) / Current (A)	Efficiency	Dimensions (mm)	Certification
VAT-UP200S-X-19H-137L	90~264VAC	3.8~4.6V/40A	91%	137*50*19	/
VAT-UP200S-X-19H	90~264VAC	2.8~5V/40A	91%	146*55*19	UL、CE、CB、CCC
VAT-UP200S-X-19H-50LAS	90~264VAC	2.8~5V/40A	91%	150*50*19	UL、CE、CB、CCC
VAT-UP200DX+Y-19H-50LAS	90~264VAC	X:2.8~3.8V/20A Y:3.8~4.5V/25A	90%	150*50*19	UL、CE、CB、CCC
VAT-UP200S-X-19H-50L	90~264VAC	2.8~5V/40A	91%	160*50*19	UL、CE、CB、CCC
VAT-UP200S-X-19H-50L-P	90~264VAC	2.8~5V/40A	90%	160*50*19	UL、CE、CB、CCC
VAT-UP200S-X-10H	90~264VAC	2.8~5V/40A	90%	165*56*10	UL、CE、CCC、CB
VAT-UP200DX+Y-10H-P	90~264VAC	X:2.8~3.8V/20A Y:3.8~4.5V/25A	85%	165*56*10	UL、CE、CCC、CB
VAT-UP200S-X-13H	90~264VAC	2.8~5V/40A	90%	165*56*13	UL、CE、CCC、CB
VAT-UP200DX+Y-13H-P	90~264VAC	X:2.8~3.8V/20A Y:3.8~4.5V/25A	85%	165*56*13	UL、CE、CCC、CB
VAT-HP200S-X-23H-55L	180~264VAC	2.8~5V/40A	92%	165*55*23	UL、CE、CCC、CB
VAT-UP200S-X-23H-55L	90~264VAC	2.8~5V/40A	92%	165*55*23	UL、CE、CCC、CB
VAT-UP200DX+Y-55L-Y	90~264VAC	X:2.8~3.8V/20A Y:3.8~4.5V/25A	92%	165*55*23	/
VAT-H200S-X-55L-AS	180~264VAC	2.8~5V/40A	87%	165*55*26	/
VAT-UP200S-X-55LV1	90~264VAC	2.8~5V/40A	89%	165*55*26	UL、CE、CB、CCC
VAT-UP200S-X-55L-P	90~264VAC	2.8~5V/40A	87.5%	165*55*26	UL、CE、CB、CCC
VAT-H200S-X-55LS	180~264VAC	2.8~5V/40A	88%	170*56*26.5	/
LV-L/H200-X	90~132/180~264VAC Voltage Select	3.3、3.8、4.2、 4.5、4.6、5V/40A	88%	190*82*29.6	/
LV-200-X	180~264VAC	3.3、3.8、4.2、 4.5、4.6、5V/40A	89%	190*82*29.6	/
VAT-H200S-X-60L	180~264VAC	2.8~5V/40A	88%	208*60*30	/
VAT-UP200S-X-60L-AII	90~264VAC	2.8~5V/40A	88.5%	208*60*30	UL、CE、CB、CCC
VAT-UP200U-XIII	90~264VAC	2.8~5V/40A	91%	210*31.5*26	/

250W-300W Series

LED Screen Power Supply



250W



300W 180(L)



Features

- ▶ Input voltage 90~264VAC
- ▶ Operating temperature range: -40~70°C
- ▶ Leakage current ≤1mA
- ▶ Protection: Output short circuit, overload, overtemperature, overvoltage
- ▶ High efficiency, long life, high reliability
- ▶ 100% full load burn-in test
- ▶ Active PFC function
- ▶ Input extreme voltage 305VAC (duration <60S)



Specifications

Model	Input Voltage (VAC)	Output Voltage (VDC) / Current (A)	Efficiency	Dimensions (mm)	Certification
VAT-UP300S-X-20H-50LS	90~264VAC	2.8-5V/60A	91%	150*50*20	UL、CE、CB、CCC
VAT-UP300S-X-23H-55L	90~264VAC	2.8-5V/60A	92%	165*55*23	UL、CE、CB、CCC
VAT260UPXAA	90~264VAC	2.8-5V/50A	90%	165*55*23	UL、CE、CCC、CB
VAT-UP250S-X-23H-55L	90~264VAC	2.8-5V/50A	92%	165*55*23	UL、CE、CCC、CB
VAT-HP250S-X-23H-55L	180~264VAC	2.8-5V/50A	92%	165*55*23	UL、CE、CCC、CB
VAT-HP300S-X-23H-55L	180~264VAC	2.8-5V/60A	92%	165*55*23	UL、CE、CCC、CB
VAT-H300S-X-55L	180~264VAC	2.8-5V/60A	90%	180*55*30	/
VAT-UP300S-X-55L	90~264VAC	2.8-5V/60A	90%	180*55*30	UL、CE、CB、CCC
VAT-UP350DX+Y-68L-P	90~264VAC	X:3.8-4.5V/35A Y:2.8-3.8V/25A	90%	180*68*26	UL、CE、CB、CCC
VAT-UP300S-X-68LV1	90~264VAC	2.8-5V/60A	92%	180*68*26	UL、CE、CB、CCC
VAT-UP400D3.8+2.8-60L-Y-Z	90~264VAC	X:3.8V/25A Y:2.8V/20A	91%	208*60*26	UL、CE、CB、CCC
VAT-UP300S-X-26H	90~264VAC	2.8-5V/60A	92%	208*60*26	UL、CE、CB、CCC
VAT-UP400DX+Y-60L-Y-W	90~264VAC	X:3.8-4.5V/35A Y:2.8-3.8V/25A	92%	208*60*26	UL、CE、CB、CCC、TUV
VAT-HP300S-X-26H	180~264VAC Built-in PFC	2.8-5V/60A	92%	208*60*26	UL、CE、CB、CCC
VAT-UP300S-X-60L-A	90~264VAC	2.8-5V/60A	90%	208*60*30	UL、CE、CB、CCC、TUV
VAT-H300S-X-60L	180~264VAC	2.8-5V/60A	89%	208*60*30	/

400W Series

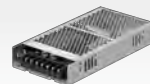
LED Screen Power Supply



VAT-H400S-4.6-60L V1



VAT-HP400S-4.2-46L-A



VAT-UP400S-4.2-99L



VAT-UP400S-4.3-32L



VAT-UP400S-4.5-26H



VAT-UP400S-5-60L-A



Features

- ▶ Input voltage 90~264VAC
- ▶ Operating temperature range: -40~70°C
- ▶ Protection: Output short circuit, overload, overvoltage, overtemperature
- ▶ High efficiency, long life, high reliability
- ▶ 100% full load burn-in test
- ▶ Active PFC function
- ▶ Low ripple & noise
- ▶ Supports common cathode or common anode configuration;



Specifications

Model	Input Voltage (VAC)	Output Voltage (VDC) / Current (A)	Efficiency	Dimensions (mm)	Certification
VAT-HP400S-X-68LV1	180~264VAC	2.8-5V/80A	92%	180*68*26	UL, CE, CB, CCC
VAT-UP400S-X-68LV1	90~264VAC	2.8-5V/80A	92%	180*68*26	UL, CE, CB, CCC
VAT-UP400DX+Y-68L-P	90~264VAC	X:3.8-4.2V/45A Y:2.8-3.2V/35A	89%	180*68*26	UL, CE, CB, CCC
VAT-UP400DX+Y-68L	90~264VAC	X:3.8-4.2V/45A Y:2.8-3.2V/35A	91%	180*68*26	UL, CE, CB, CCC
VAT-UP400S-X-99L	90~264VAC	2.8-5V/80A	92%	190*99*29.5	UL, CE, CB (to be certified)
VAT-HP400S-X-26H	180~264VAC	2.8-5V/80A	92%	208*60*26	UL, CE, CB, CCC, TUV
VAT-UP400S-X-26H	90~264VAC	2.8-5V/80A	92%	208*60*26	UL, CE, CB, CCC, TUV
VAT-UP400DX+Y-60L-Y-C	90~264VAC	X:3.8-4.5V/45A	90%	208*60*26	UL, CE, CB, CCC, TUV
VAT-UP400DX+Y-60L-Y-A	90~264VAC	X:3.8-4.5V/45A/60A Y:2.8-3.8V/40A	91%	208*60*26	UL, CE, CB, CCC, TUV
VAT-H400S-X-60L V1	180~264VAC	2.8-5V/80A	89%	208*60*30	/
VAT-HP400S-X-46L-A	180~264VAC	2.8-5V/80A	91%	220*46*26	UL, CE, CB, CCC
VAT-UP400S-X-46L-A	90~264VAC	2.8-5V/80A	91%	220*46*26	UL, CE, CB, CCC
VAT-HP400S-4.3-32L	180~264VAC	3.8-4.3V/80A	91%	226*32*28	CE, CB, CCC, UL
VAT-UP400S-4.3-32L	90~264VAC	3.8-4.3V/80A	91%	226*32*28	CE, CB, CCC, UL
VAT-UP400S-5-60L-A	90~264VAC	2.8-5V/80A	89%	235*60*30	UL, CE, CB, CCC, TUV
VAT-UP400S-5-60L-P	90~264VAC	2.8-5V/80A	88%	255*60*30	UL, CE, CB, CCC, TUV

500W Series

LED Screen Power Supply



VAT-UP500S-4.2-68LV1



VAT-UP500S-4.5-60L



VAT-HP500S-5-46L-A

Features

- ▶ Input voltage 90~264VAC
- ▶ Operating temperature range: -40~70°C
- ▶ Leakage current ≤1mA
- ▶ Protection: Output short circuit, overload, overtemperature, overvoltage
- ▶ High efficiency, long life, high reliability
- ▶ 100% full load burn-in test
- ▶ Active PFC function
- ▶ Input extreme voltage 305VAC (duration <60S)

Specifications

Model	Input Voltage (VAC)	Output Voltage (VDC) / Current (A)	Efficiency	Dimensions (mm)	Certification
VAT-UP500S-X-68LV1	90~264VAC	2.8、3.3、3.5、3.8、4.2、4.5、4.6、5V/100A	92%	180*68*26	UL、CE CB、CCC
VAT-UP500DX+Y-68L	90~264VAC	X:3.8-4.2V/60A Y:2.8-3.2V/40A	89%	180*68*26	UL、CE CB、CCC
VAT-UP500DX+Y-68L-P	90~264VAC	X:3.8-4.2V/60A Y:2.8-3.2V/40A	87%	180*68*26	UL、CE CB、CCC
VAT-UP500DX+Y-60L	90~264VAC	X:3.8-4.5V/60A Y:2.8-3.8V/40A	90%	208*60*26	/
VAT-HP500S-X-46L-A	180~264VAC	2.8、3.3、3.5、3.8、4.2、4.5、4.6、5V/100A	91%	220*46*26	/
VAT-UP500S-4.5-60L	90~264VAC	2.8、3.3、3.5、3.8、4.2、4.5、4.6、5V/100A	92%	235*60*26	/

PBSI01-XXSXXM-R3

Features

- High efficiency, low loss
- Low ripple noise
- Isolation voltage 1500 VDC
- Operating temperature range: -40°C to +85°C
- Sustainable short circuit protection
- International standard pin mode
- Ultra-small SIP package

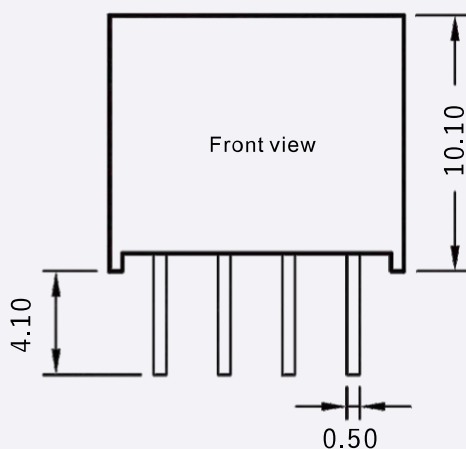
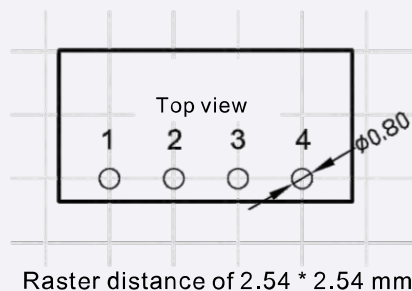
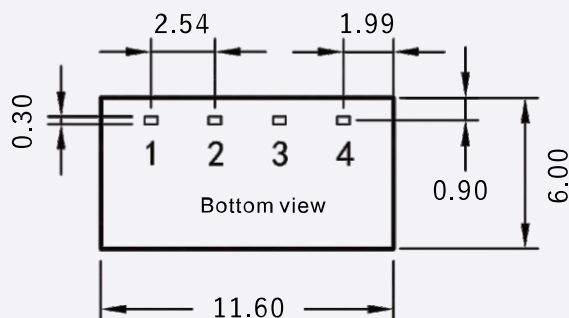


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PBSI01-03SXXM-R3	1	2.97-3.63	3.3,5	1500	11.60*10.10*6.00	SIP
PBSI01-05SXXM-R3		4.5-5.5	3.3,5,12,15,24			
PBSI01-12SXXM-R3		10.8-13.2	3.3,5,12,15,24			
PBSI01-24SXXM-R3		21.6-26.4	3.3,5,12,15,24			

Package Size

① PBSI01-XXSXXM-R3



Third perspective
Unit: mm



Note:

1. Size unit: mm
2. Terminal section tolerance: ± 0.1 mm
3. Other dimensional tolerance: ± 0.5 mm

Pin	Mark
1	-Vin
2	+Vin
3	-Vo
4	+Vo

PBSL01-XXSXXM-R3

Features

- High efficiency,low loss
- No-load input current as low as 5mA
- Isolation voltage 1500 VDC
- Operating temperature range: -40°C to +85°C
- Sustainable short circuit protection
- International standard pin mode, SIP package



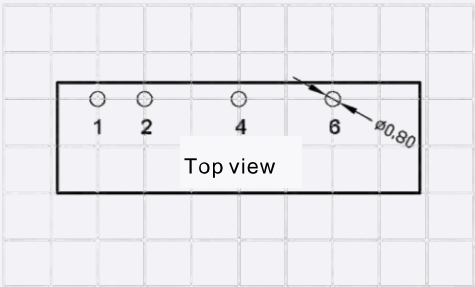
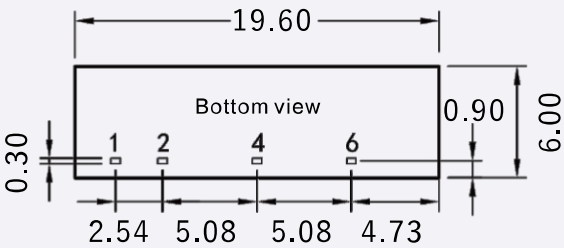
1W-PBSL01 Series

Product Selection

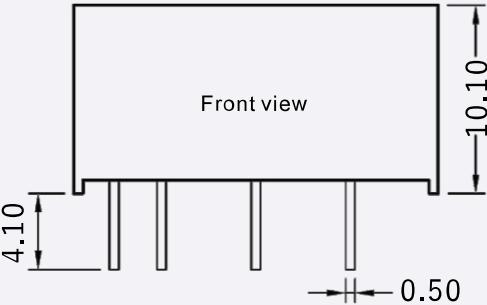
Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PBSL01-03SXXM-R3	1	2.97-3.63	3.3,5	1500	19.60*10.10*6.00	SIP
PBSL01-05SXXM-R3		4.5-5.5	3.3,5,12,15,24			
PBSL01-12SXXM-R3		10.8-13.2	3.3,5,12,15,24			
PBSL01-24SXXM-R3		21.6-26.4	3.3,5,12,15,24			

Package Size

① PBSL01-XXSXXM-R3



Raster distance of 2.54 * 2.54 mm



Third perspective
Unit: mm



- Note:
- 1. Size unit: mm
 - 2. Terminal section tolerance: ± 0.1 mm
 - 3. Other dimensional tolerance: ± 0.5 mm

Pin	Mark
1	+Vin
2	-Vin
4	-Vo
6	+Vo

PS01-FXXSCXX

Features

- High efficiency, low loss
- No-load input current as low as 5mA
- Isolation voltage 3000 VDC
- Operating temperature range: -40°C to +85°C
- Sustainable short circuit protection
- International standard pin mode, SIP package

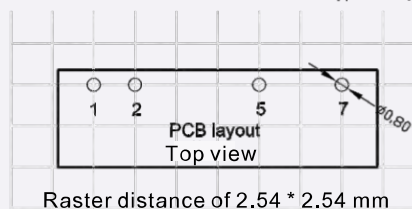
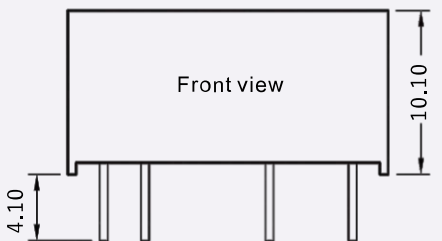
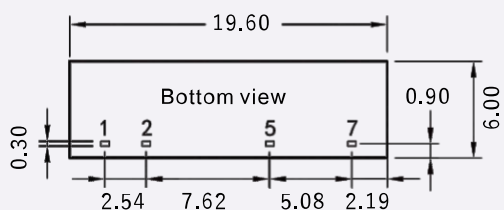


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PS01-F03SCXX	1	2.97-3.63	3.3,5	3000	19.60*10.10*6.00	SIP
PS01-F05SCXX		4.5-5.5	3.3,5,12,15,24			
PS01-F12SCXX		10.8-13.2	3.3,5,12,15,24			
PS01-F24SCXX		21.6-26.4	3.3,5,12,15,24			
PS01-F05DCXX	1	4.5-5.5	±5,±12,±15	3000	19.60*10.10*6.00	SIP
PS01-F12DCXX		10.8-13.2	±5,±12,±15			
PS01-F24DCXX		21.6-26.4	±5,±12,±15			

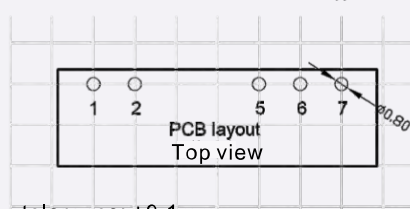
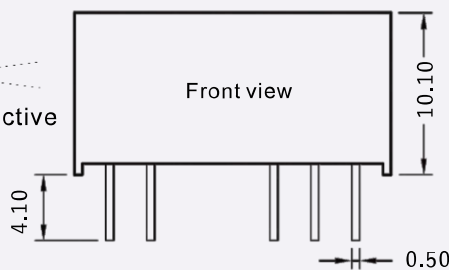
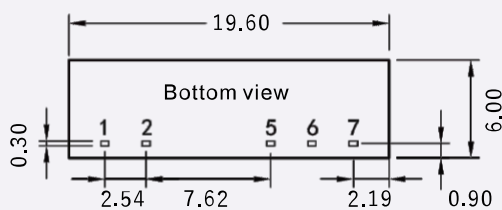
Package Size

① PS01-FXXSCXX



Raster distance of 2.54 * 2.54 mm

② PS01-FXXDCXX



Pin	Mark
1	+Vin
2	-Vin
5	-Vo
7	+Vo

Note:

1. Size unit: mm
2. Terminal section tolerance: ±0.1mm
3. Other dimensional tolerance: ±0.5mm

Pin	Mark
1	+Vin
2	-Vin
5	-Vo
6	COM
7	+Vo

PS01-HXXSCXX PS01-HXXDCXX

Features

- High efficiency, low loss
- No-load input current as low as 5mA
- Isolation voltage 6000 VDC
- Operating temperature range: -40°C to +85°C
- Sustainable short circuit protection
- Single and double way output
- International standard pin mode, SIP package

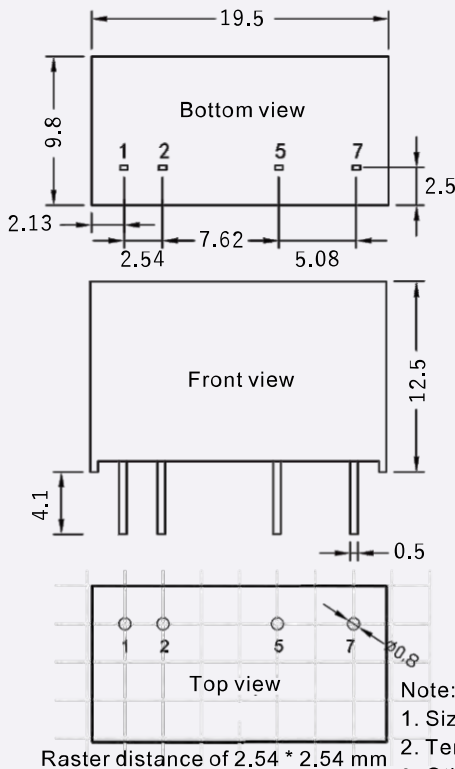


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PS01-H05SCXX	1	4.5-5.5	3.3, 5, 9, 12, 15, 24	6000	19.50*12.50*9.80	SIP
PS01-H12SCXX		10.8-13.2	5, 9, 12, 15, 24			
PS01-H24SCXX		21.6-26.4	5, 9, 12, 15, 24			
PS01-H05DCXX	1	4.5-5.5	±3.3, ±5, ±9, ±12, ±15	6000	19.50*12.50*9.80	SIP
PS01-H12DCXX		10.8-13.2	±5, ±9, ±12, ±15			
PS01-H15DCXX		13.5-16.5	±5, ±12, ±15			
PS01-H24DCXX		21.6-26.4	±5, ±9, ±12, ±15			

Package Size

① PS01-HXXSCXX



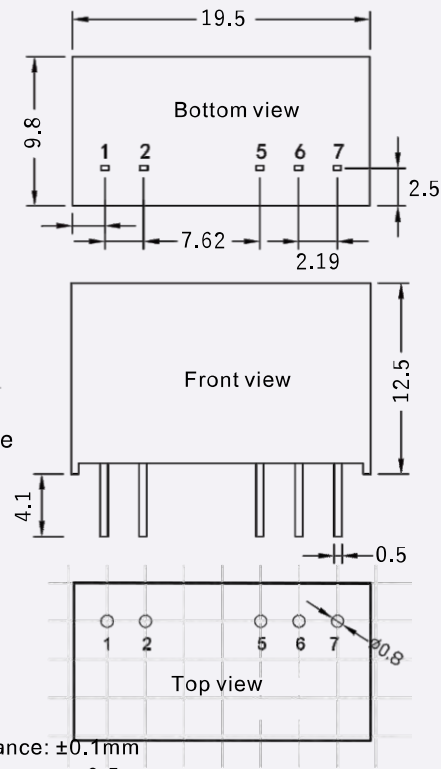
Third perspective
Unit: mm

Pin	Mark
1	+Vin
2	-Vin
5	-Vo
7	+Vo

Note:

1. Size unit mm
2. Terminal section tolerance: ± 0.1 mm
3. Other dimensional tolerance: ± 0.5 mm

② PS01-HXXDCXX



Pin	Mark
1	+Vin
2	-Vin
5	-Vo
6	OV
7	+Vo

PS02-BXXSCXX

Features

- Efficiency up to 86%
- No-load input current as low as 8mA
- Isolation voltage 1500 VDC
- Operating temperature range: -40°C to +85°C
- Sustainable short circuit protection
- International standard pin mode, SIP package

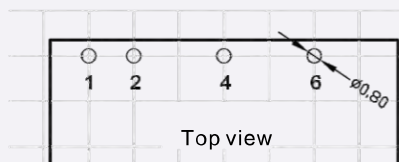
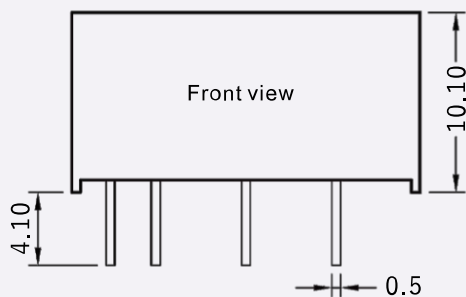
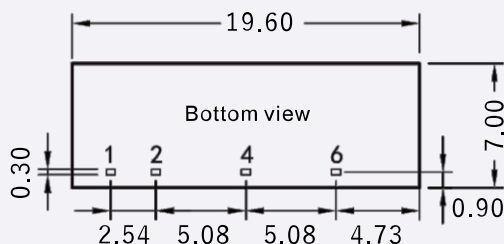


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PS02-B05SCXX	2	4.5-5.5	5,12,15,24	1500	19.60*10.10*7.00	SIP
PS02-B12SCXX		10.8-13.2	5,12,15,24			
PS02-B24SCXX		21.6-26.4	5,12,15,24			
PS02-B05DCXX	2	4.5-5.5	±5,±12,±15	1500	19.60*10.10*7.00	SIP
PS02-B12DCXX		10.8-13.2	±5,±12,±15			
PS02-B24DCXX		21.6-26.4	±5,±12,±15			

Package Size

1 PS02-BXXSCXX



Raster distance of 2.54 * 2.54 mm

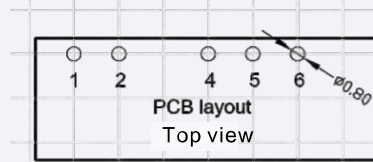
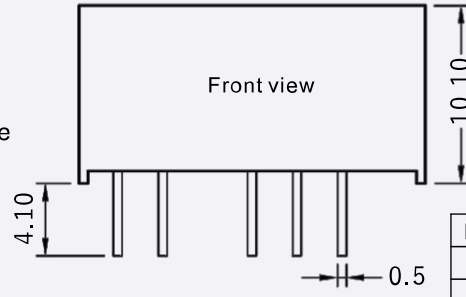
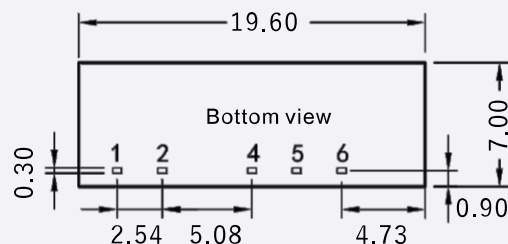
Third perspective
Unit: mm

Pin	Mark
1	+Vin
2	-Vin
4	-Vo
6	+Vo

Note:

1. Size unit: mm
2. Terminal section tolerance: ± 0.1 mm
3. Other dimensional tolerance: ± 0.5 mm

2 PS02-BXXDCXX



PCB layout
Top view

Pin	Mark
1	+Vin
2	-Vin
4	-Vo
5	OV
6	+Vo

PS02-FXXDCXX

Features

- Efficiency up to 86%
- No-load input current as low as 8mA
- Isolation voltage 3000 VDC
- Operating temperature range: -40°C to +85°C
- Sustainable short circuit protection
- International standard pin mode, SIP package

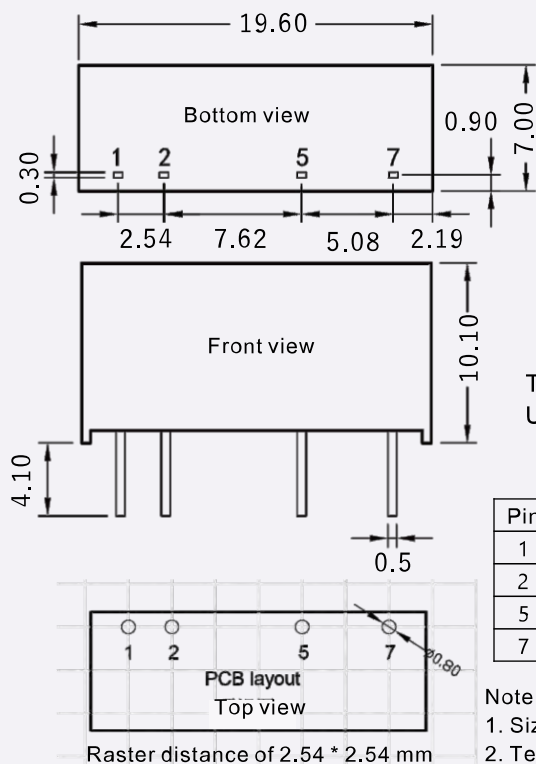


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PS02-F05SCXX	2	4.5-5.5	5,12,15,24	3000	19.60*10.10*7.00	SIP
PS02-F12SCXX		10.8-13.2	5,12,15,24			
PS02-F24SCXX		21.6-26.4	5,12,15,24			
PS02-F05DCXX	2	4.5-5.5	±5,±9,±12,±15	3000	19.60*10.10*7.00	SIP
PS02-F12DCXX		10.8-13.2	±5,±12,±15			
PS02-F15DCXX		13.5-16.5	±5,±12,±15			
PS02-F24DCXX		21.6-26.4	±5,±12,±15			

Package Size

① PS02-FXXSCXX

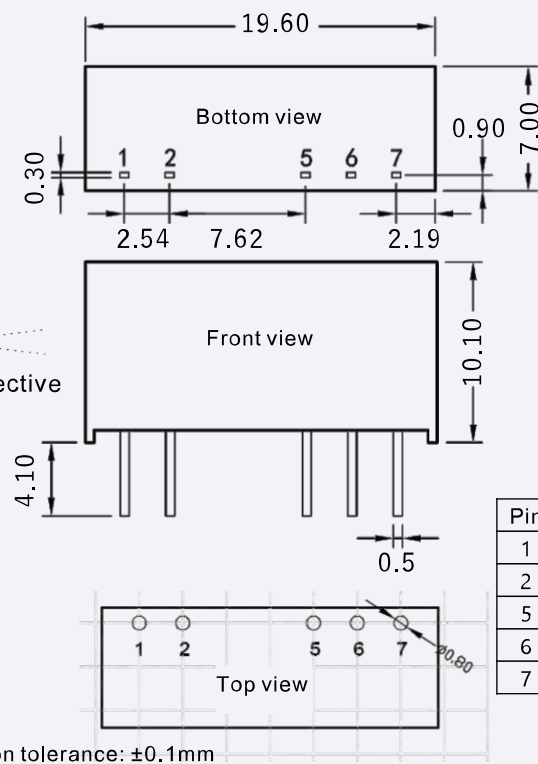


Pin	Mark
1	+Vin
2	-Vin
5	OV
7	+Vo

Note:

1. Size unit: mm
2. Terminal section tolerance: $\pm 0.1\text{mm}$
3. Other dimensional tolerance: $\pm 0.5\text{mm}$

② PS02-FXXDCXX



Pin	Mark
1	+Vin
2	-Vin
5	-Vo
6	OV
7	+Vo

PS02-HXXSCXX PS02-HXXDCXX

Features

- Efficiency up to 86%
- No-load input current as low as 5mA
- Isolation voltage 6000 VDC
- Operating temperature range: -40°C to +85°C
- Sustainable short circuit protection
- Single and double way output
- International standard pin mode, SIP package

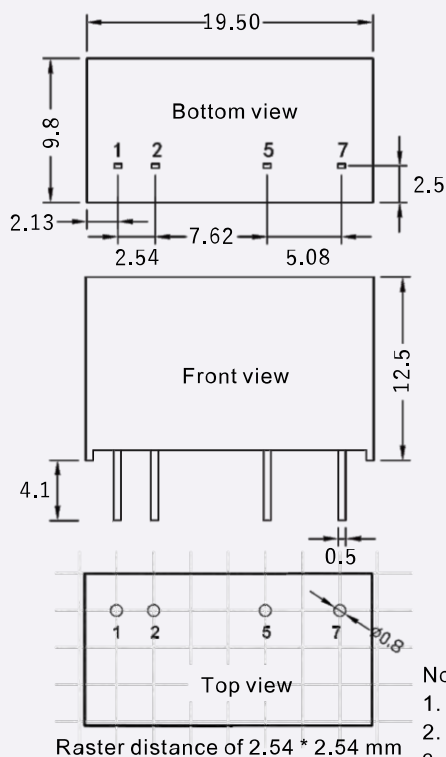


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PS02-H05SCXX	2	4.5-5.5	5,12,15	6000	19.50*12.50*9.80	SIP
PS02-H12SCXX		10.8-13.2	5,12,15			
PS02-H24SCXX		21.6-26.4	5,12,15			
PS02-H05DCXX	2	4.5-5.5	±5,±9,±12,±15	6000	19.50*12.50*9.80	SIP
PS02-H12DCXX		10.8-13.2	±5,±12,±15			
PS02-H15DCXX		13.5-16.5	±5,±12,±15			
PS02-H24DCXX		21.6-26.4	±5,±12,±15			

Package Size

1 PS02-HXXSCXX

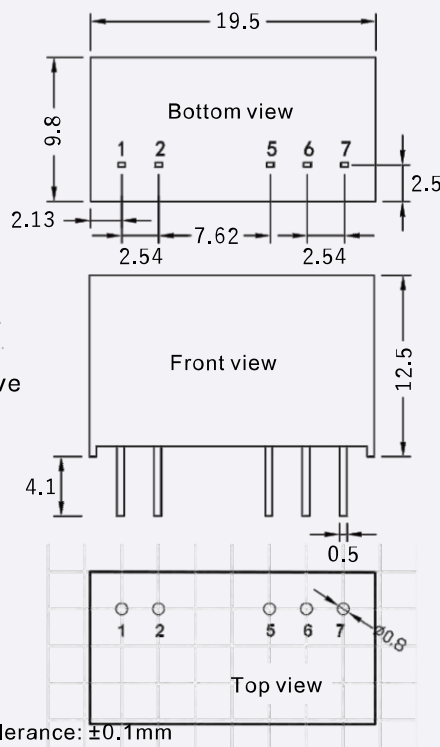


Third perspective
Unit: mm

Pin	Mark
1	+Vin
2	-Vin
5	-Vo
7	+Vo

- Note:
1. Size unit: mm
 2. Terminal section tolerance: $\pm 0.1\text{mm}$
 3. Other dimensional tolerance: $\pm 0.5\text{mm}$

2 PS02-HXXDCXX



Pin	Mark
1	+Vin
2	-Vin
5	-Vo
6	OV
7	+Vo

PS03-BXXSCXX

Features

- Efficiency up to 86%
- No-load input current as low as 5mA
- Isolation voltage: 1500VDC
- Operating temperature range: -40°C to +85°C
- Continuous short-circuit protection
- Single output
- International standard pin configuration, SIP package



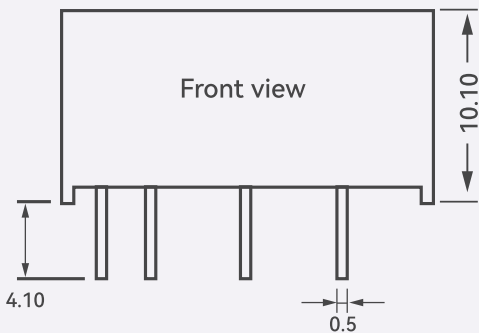
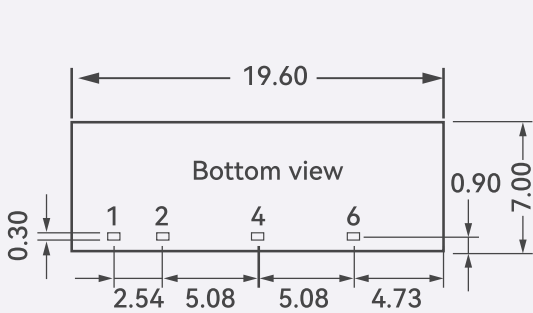
2W-PS03 Series

Product Selection

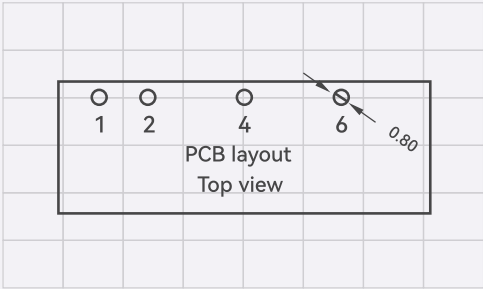
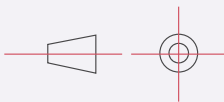
Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PS03-B05SCXX	3	4.5-5.5	5,12,15,24	1500	19.60*7.00*10.10	SIP
PS03-B12SCXX		10.8-13.2	5,12,15,24			
PS03-B24SCXX		21.6-26.4	5,12,15,24			

Package Size

1 PS03-BXXSCXX



Pin	Mark
1	+Vin
2	-Vin
4	0V
6	+Vo



- Notes: 1、Dimensions are in mm.
2、Terminal cross-sectional dimensions tolerance: ±0.1 mm.
3、Other dimensional tolerances: ±0.5 mm.

The grid spacing is 2.54 × 2.54 mm.

PM01-BXXSCXX

Features

- Efficiency up to 87%
- High efficiency, low loss
- Low ripple noise
- Isolation voltage 1500 VDC
- Operating temperature range: -40°C to +85°C
- Sustainable short circuit protection
- International standard pin mode, SMD package

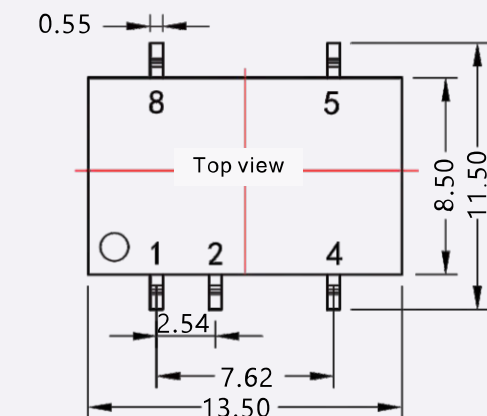


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PM01-B03SCXX	1	2.97-3.63	3.3,5	1500	13.20*11.50*6.50	SMD
PM01-B05SCXX		4.5-5.5	3.3,5,12,15,24			
PM01-B12SCXX		10.8-13.2	3.3,5,12,15,24			
PM01-B24SCXX		21.6-26.4	3.3,5,12,15,24			

Package Size

1 PM01-BXXSCXX

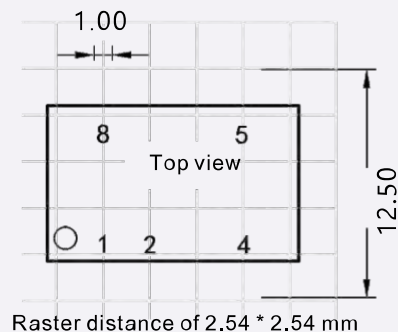
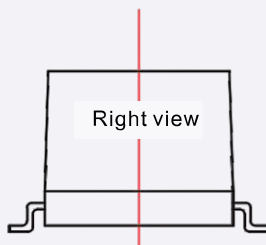
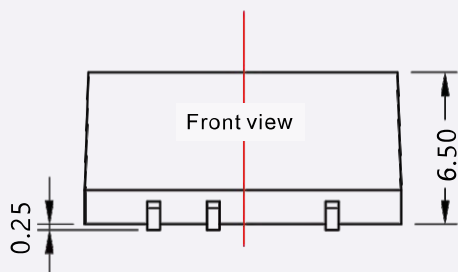


Third perspective
Unit: mm

Pin	Mark
1	-Vin
2	+Vin
4	-Vo
5	+Vo
8	NC

Note:

1. Size unit: mm
2. Terminal section tolerance: ± 0.1 mm
3. Other dimensional tolerance: ± 0.25 mm



PM01-FXXSCXX PM01-FXXDCXX

Features

- Efficiency up to 87%
- High efficiency, low loss
- Low ripple noise
- Isolation voltage 3000 VDC
- Operating temperature range: -40°C to +85°C
- Sustainable short circuit protection
- International standard pin mode, SMD package

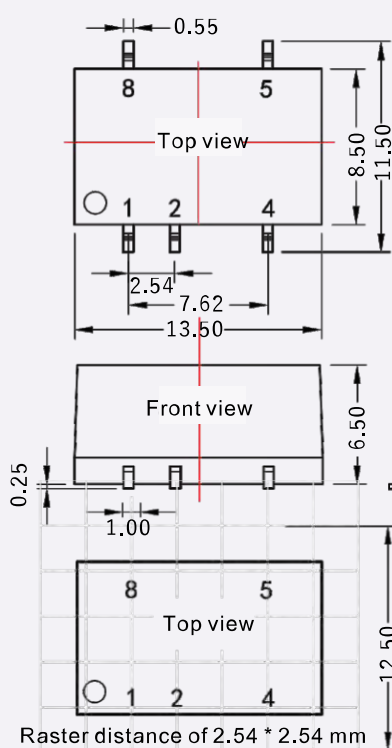


Product Selection

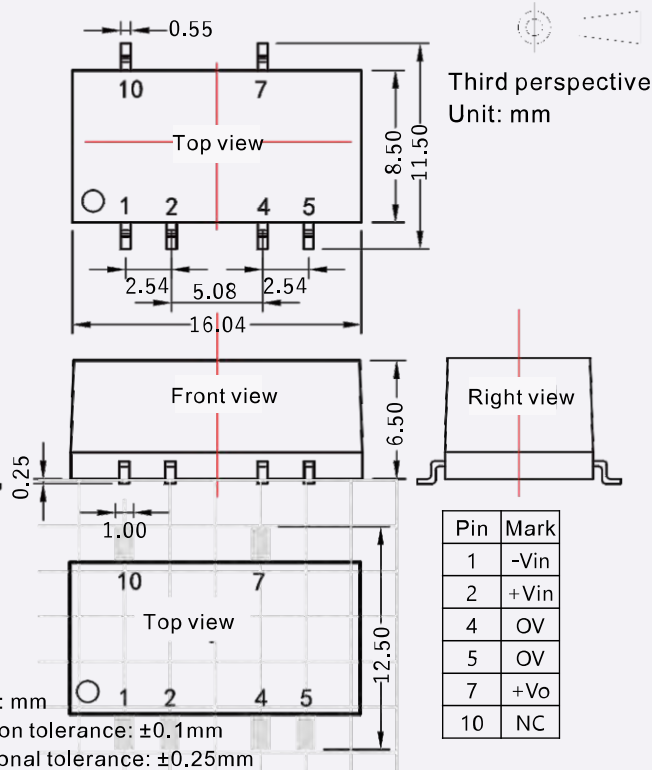
Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PM01-F03SCXX	1	2.97-3.63	3.3,5	3000	13.20*11.50*6.50	SMD
PM01-F05SCXX		4.5-5.5	3.3,5,12,15,24			
PM01-F12SCXX		10.8-13.2	3.3,5,12,15,24			
PM01-F24SCXX		21.6-26.4	3.3,5,12,15,24			
PM01-F03DCXX	1	2.97-3.63	±3.3,±5,±12,±15	3000	16.04*11.50*6.50	SMD
PM01-F05DCXX		4.5-5.5	±5,±12,±15,±24			
PM01-F12DCXX		10.8-13.2	±5,±12,±15,±24			
PM01-F24DCXX		21.6-26.4	±5,±9,±12,±15,±24			

Package Size

① PM01-FXXSCXX



② PM01-FXXDCXX



PD01-BXXSCXX

Features

- Efficiency up to 87%
- High efficiency, low loss
- Low ripple noise
- Isolation voltage 1500 VDC
- Operating temperature range: -40°C to +85°C
- Sustainable short circuit protection
- International standard pin mode, DIP package

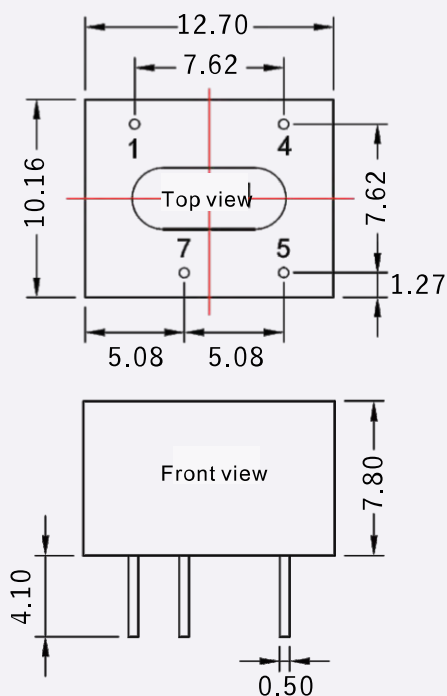


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PD01-B03SCXX	1	2.97-3.63	3.3,5,12	1500	12.70*10.20*7.80	DIP
PD01-B05SCXX		4.5-5.5	3.3,5,12,15,24			
PD01-B12SCXX		10.8-13.2	3.3,5,12,15,24			
PD01-B15SCXX		14.5-16.5	5,12,15			
PD01-B24SCXX		21.6-26.4	3.3,5,12,15,24			
PD02-B05SCXX	2	4.5-5.5	5,12,15,24	1500	12.70*10.20*7.80	DIP
PD02-B12SCXX		10.8-13.2	5,12,15,24			
PD02-B15SCXX		14.5-16.5	5,12,15,24			
PD02-B24SCXX		21.6-26.4	5,12,15,24			

Package Size

1 PD01-BXXSCXX



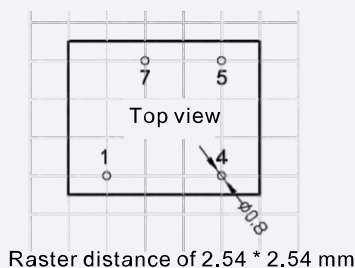
Third perspective
Unit: mm



Pin	Mark
1	+Vin
4	-Vin
5	+Vo
7	-Vo

Note:

1. Size unit: mm
2. Terminal section tolerance: ± 0.1 mm
3. Other dimensional tolerance: ± 0.25 mm



Raster distance of 2.54 * 2.54 mm

PSD75-BXXXSSXX PS01-BXXXSSXX

Features

- Power optional 0.75W and 1W
- High efficiency, low loss
- Low ripple noise
- Isolation voltage 1500 VDC
- Operating temperature range: -40°C to +85°C
- Sustainable short circuit protection
- International standard pin mode, SIP package



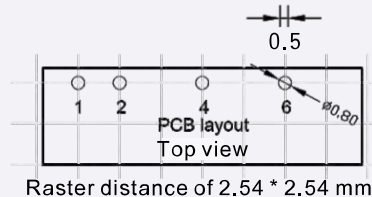
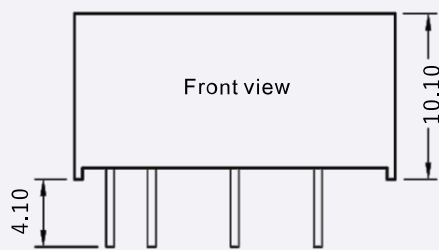
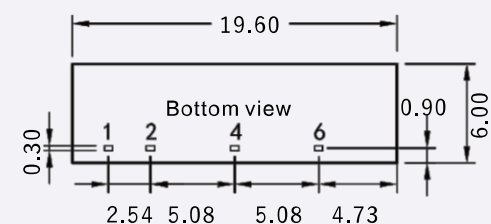
0.75-1W Series

Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PSD75-B03SSXX	0.75	3.135-3.465	5	1500	11.60*10.10*6.00	SIP
PSD75-B05SSXX		4.75-5.25	5			
PSD75-B12SSXX		11.4-12.6	5			
PSD75-B15SSXX		14.25-15.75	5			
PSD75-B24SSXX		22.8-25.2	5			
PS01-B05SSXX	1	4.75-5.25	5,12	1500	19.60*10.60*6.00	SIP
PS01-B12SSXX		11.4-12.6	5,12			
PS01-B24SSXX		22.8-25.2	5,12			

Package Size

1 PS01-BXXXSSXX

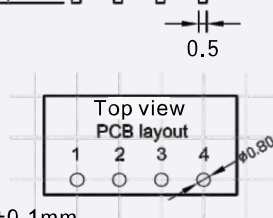
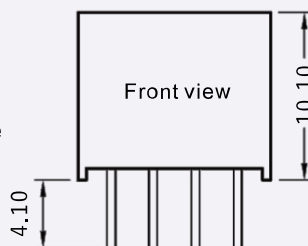
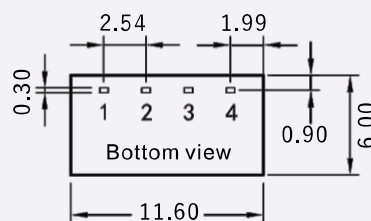


Pin	Mark
1	+Vin
2	-Vin
4	-Vo
6	+Vo

Note:

1. Size unit: mm
2. Terminal section tolerance: ± 0.1 mm
3. Other dimensional tolerance: ± 0.5 mm

2 PSD75-BXXXSSXX



Pin	Mark
1	-Vin
2	+Vin
3	-Vo
4	+Vo

PFSI01-XXSXXM-R3

Features

- High efficiency, low loss
- Low ripple noise
- Isolation voltage 3000 VDC
- Operating temperature range: -40°C to +85°C
- Sustainable short circuit protection
- International standard pin mode, SIP package

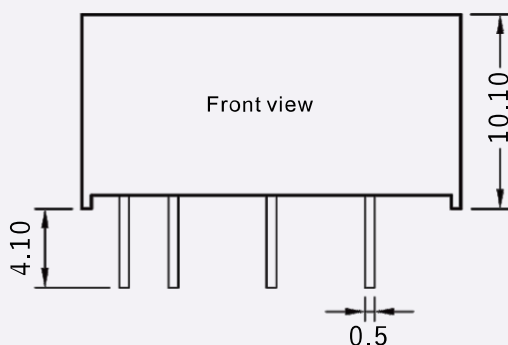
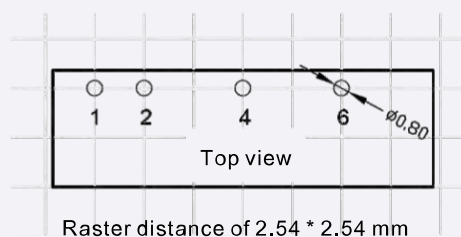
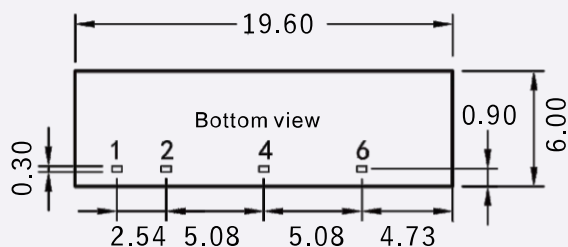


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PFSI01-03SXXM-R3	1	3.14-3.47	3.3,5	3000	19.60*10.10*6.00	SIP
PFSI01-05SXXM-R3		4.75-5.25	3.3,5,9,12,15,24			
PFSI01-12SXXM-R3		11.4-12.6	3.3,5,9,12,15,24			
PFSI01-15SXXM-R3		14.3-15.8	3.3,5,9,12,15,24			
PFSI01-24SXXM-R3		22.8-25.2	3.3,5,9,12,15,24			

Package Size

1 PFSI01-XXSXXM-R3



Third perspective
Unit: mm

Pin	Mark
1	+Vin
2	-Vin
4	-Vo
6	+Vo

- Note:
1. Size unit: mm
 2. Terminal section tolerance: ± 0.1 mm
 3. Other dimensional tolerance: ± 0.5 mm

PS02-BXXSSXX PS02-FXXSSXX

Features

- High efficiency up to 76%
- 1W power rating
- Ultra-low no-load input current: 5mA max.
- High isolation voltage: 1500VDC / 3000VDC
- Wide operating temperature range: -40°C to +85°C
- Continuous short-circuit protection
- Single regulated output
- Standard international pin configuration, SMD package



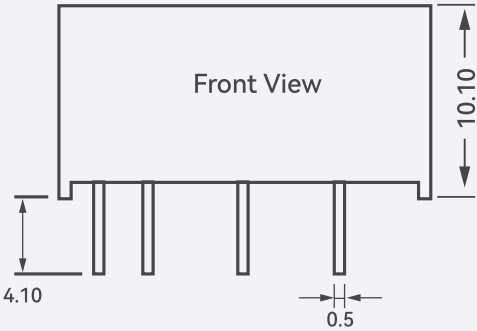
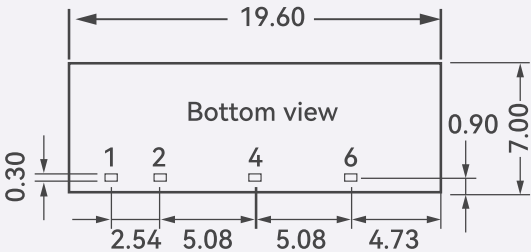
2W-PS02 Series

产品选型

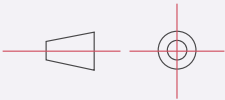
Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PS02-B05SSXX	2	4.5-5.5	5,12,24	1500	19.60*7.00*10.10	SIP
PS02-B12SSXX		10.8-13.2	5,12,24			
PS02-B24SSXX		21.6-26.4	5,12,24			
PS02-F05SSXX	2	4.5-5.5	5,12	3000	19.60*7.00*10.10	
PS02-F12SSXX		10.8-13.2	5,12			
PS02-F24SSXX		21.6-26.4	5,12			

封装尺寸

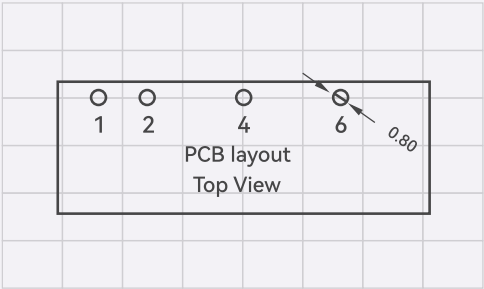
① PS02-BXXSSXX PS02-FXXSSXX



- Note:
1. Dimensions are in mm
 2. Terminal cross-section tolerance: $\pm 0.1\text{mm}$
 3. Other dimensional tolerances: $\pm 0.5\text{mm}$



Pin	Mark
1	+Vin
2	-Vin
4	0V
6	+Vo



Grid spacing: 2.54 × 2.54mm

PM01-BXXSSXX PM01-FXXSSXX

Features

- High efficiency up to 76%
- 1W power rating
- Ultra-low no-load input current: 5mA max.
- High isolation voltage: 1500VDC / 3000VDC
- Wide operating temperature range: -40°C to +85°C
- Continuous short-circuit protection
- Single regulated output
- Standard international pin configuration, SMD package

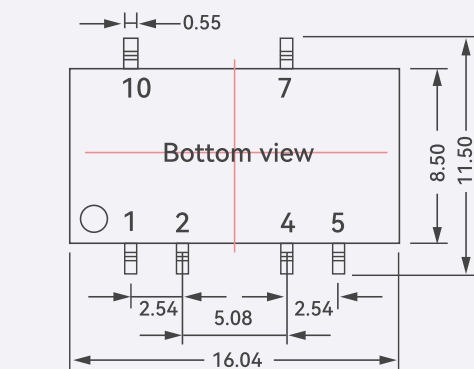


产品选型

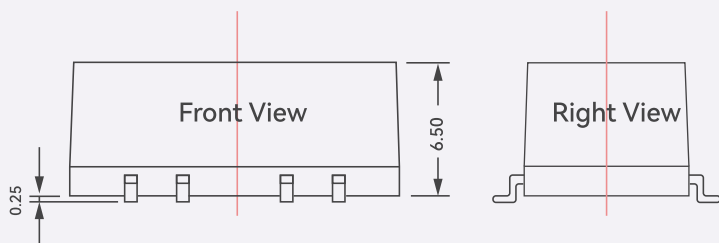
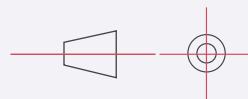
Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PM01-B05SSXX	1	4.5-5.5	5,12	1500	16.04*11.50*6.50	SMD
PM01-B12SSXX		10.8-13.2	5,12			
PM01-B24SSXX		21.6-26.4	5,12			
PM01-F05SSXX	1	4.5-5.5	5,12	3000	16.04*11.50*6.50	SMD
PM01-F12SSXX		10.8-13.2	5,12			
PM01-F24SSXX		21.6-26.4	5,12			

封装尺寸

PM01-BXXSSXX PM01-FXXSSXX

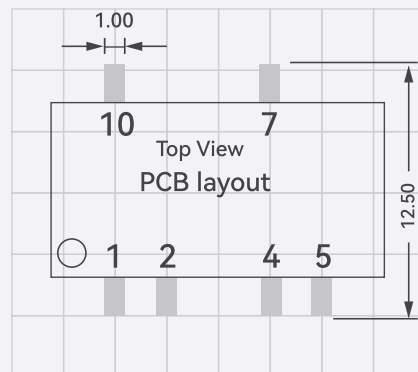


Pin	Mark
1	-Vin
2	+Vin
4	0V
5	0V
7	+Vo
10	NC



Notes:

1. Unit: mm
2. Terminal cross-section tolerance: $\pm 0.1\text{mm}$
3. General tolerance: $\pm 0.25\text{mm}$

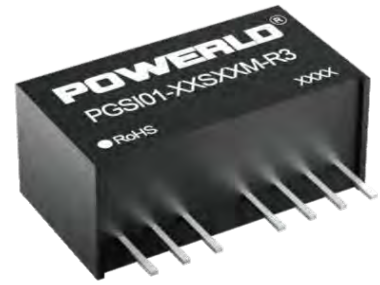


Grid spacing: 2.54 × 2.54mm

PGSI01-XXSXXM-R3

Features

- Wide input voltage range: 2:1
- Low ripple noise
- Output can be turned off
- Single and double way output
- Isolation voltage 3000 VDC
- Short-circuit protection (self-recovery)
- Operating temperature range: -40°C to +85°C
- Ultra-small SIP package



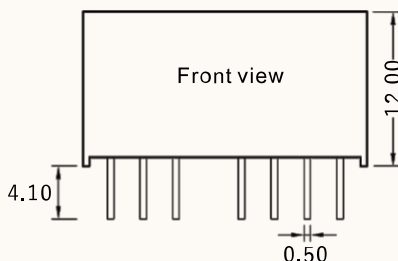
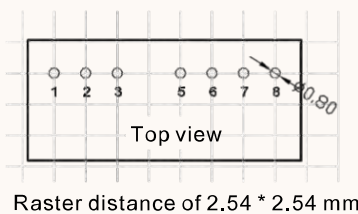
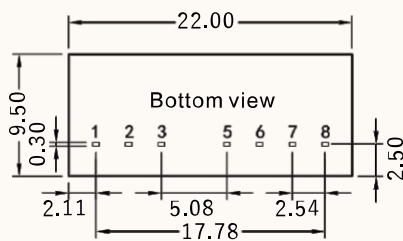
1W-PGSI01 Series

Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PGSI01-05SXXM-R3	1	4.5-9	3.3,5,9,12,15,24	3000	22.00*12.00*9.50	SIP
PGSI01-12SXXM-R3		9-18	3.3,5,9,12,15,24			
PGSI01-24SXXM-R3		18-36	3.3,5,9,12,15,24			
PGSI01-48SXXM-R3		36-75	3.3,5,9,12,15,24			
PGSI01-05DXXM-R3	1	4.5-9	±5,±9,±12,±15,±24	3000	22.00*12.00*9.50	SIP
PGSI01-12DXXM-R3		9-18	±5,±9,±12,±15,±24			
PGSI01-24DXXM-R3		18-36	±5,±9,±12,±15,±24			
PGSI01-48DXXM-R3		36-75	±5,±9,±12,±15,±24			

Package Size

① PGSI01-XXSXXM-R3



Pin	Single	Double
1	-Vin	-Vin
2	+Vin	+Vin
3	CTRL	CTRL
5	NC	NC
6	+Vo	+Vo
7	OV	COM
8	CS	-Vo

Third perspective
Unit: mm



Note:

1. Size unit: mm
2. Terminal section tolerance: ± 0.1 mm
3. Other dimensional tolerance: ± 0.5 mm

PS03-CXXXX PS03-CXXDXX

Features

- Wide input voltage range: 2:1
- Low ripple noise
- Output can be turned off
- Single and double way output
- Isolation voltage 3000 VDC
- Short-circuit protection (self-recovery)
- Operating temperature range: -40°C to +85°C
- Ultra-small SIP package

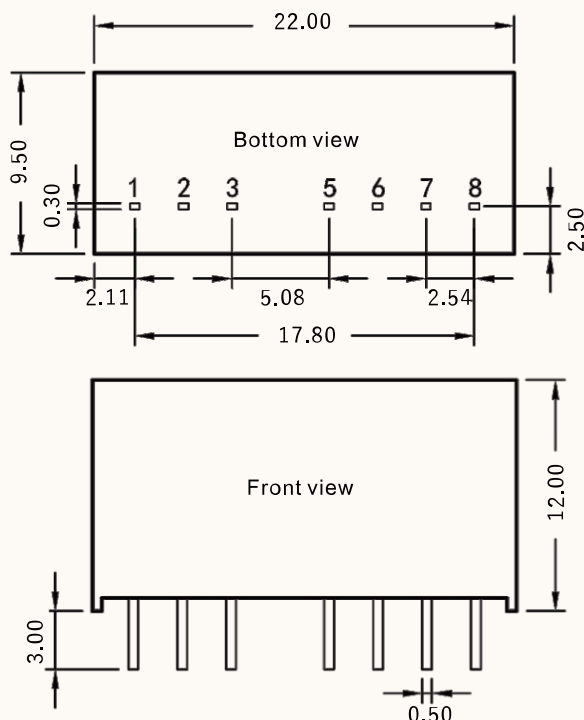


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PS03-C05XX	3	4.5-9	3.3,5,12,15,24	3000	22.00*12.00*9.50	SIP
PS03-C12XX		9-18	3.3,5,12,15,24			
PS03-C24XX		18-36	3.3,5,12,15,24			
PS03-C48XX		36-75	3.3,5,12,15,24			
PS03-C05DXX	3	4.5-9	±5,±12,±15	3000	22.00*12.00*9.50	SIP
PS03-C12DXX		9-18	±5,±12,±15			
PS03-C24DXX		18-36	±5,±12,±15			
PS03-C48DXX		36-75	±5,±12,±15			

Package Size

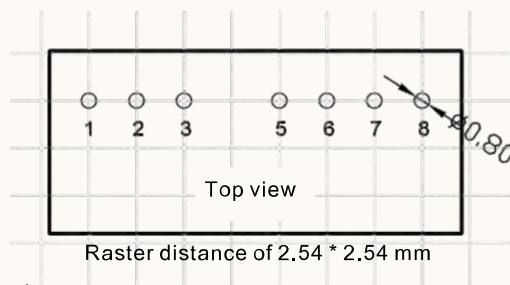
1 PS03-CXXXX



Third perspective
Unit: mm



Pin	Single	Double
1	-Vin	-Vin
2	+Vin	+Vin
3	CTRL	CTRL
5	NC	NC
6	+Vo	+Vo
7	OV	COM
8	CS	-Vo



- Note:
1. Size unit: mm
 2. Terminal section tolerance: ±0.1mm
 3. Other dimensional tolerance: ±0.5mm

PS03-BXXXX PS03-BXXDXX

Features

- Ultra-wide input voltage range: 4:1
- Low ripple noise
- Output can be turned off
- Single and double way output
- Isolation voltage 1500 VDC
- Short-circuit protection (self-recovery)
- Operating temperature range: -40°C to +85°C
- Ultra-small SIP package



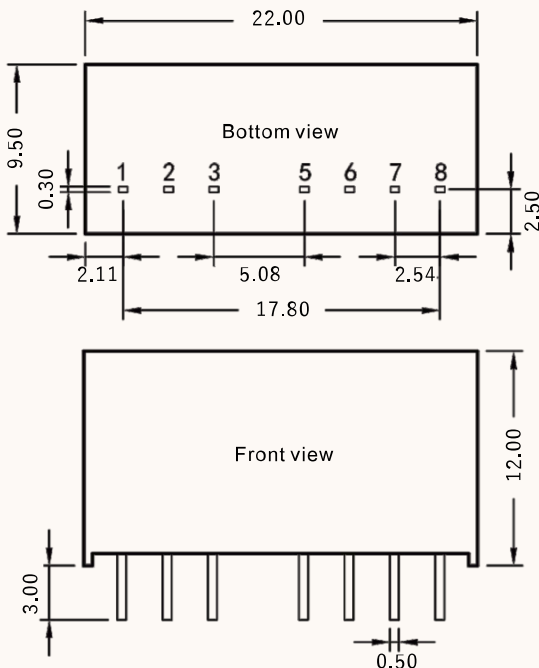
Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/ mm	Type
PS03-B24XX	3	9-36	3.3,5,9,12,15,24	1500	22.00*12.00*9.50	SIP
PS03-B48XX		18-75	3.3,5,9,12,15,24			
PS03-B24DXX	3	9-36	±5,±12,±15	1500	22.00*12.00*9.50	SIP
PS03-B48DXX		18-75	±5,±12,±15			

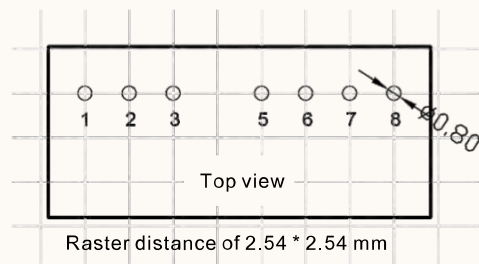
Package Size

① PS03-BXXDXX

Third perspective
Unit: mm



Pin	Single	Double
1	-Vin	-Vin
2	+Vin	+Vin
3	CTRL	CTRL
5	NC	NC
6	+Vo	+Vo
7	OV	COM
8	CS	-Vo



Note:

1. Size unit: mm
2. Terminal section tolerance: ± 0.1 mm
3. Other dimensional tolerance: ± 0.5 mm

PS06-BXXXX PS06-BXXDXX PS10-BXXXX

Features

- Power 6/10 W
- Ultra-wide input voltage range (4:1)
- Isolation voltage 1500 VDC
- Input undervoltage protection,output short-circuit,over current protection
- Operating temperature range: -40°C to +105°C
- Ultra-small SIP package

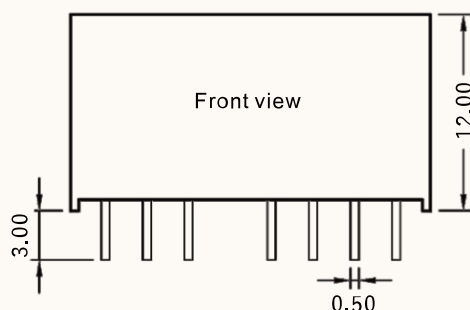
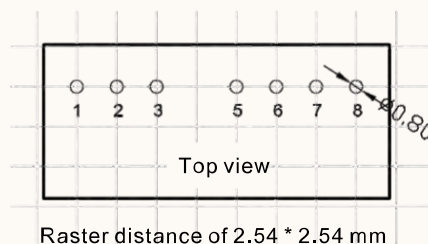
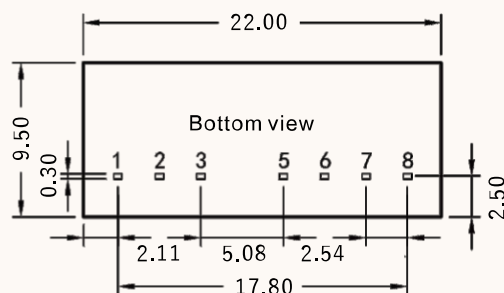


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PS06-B24XX	6	9-36	3.3,5,9,12,15,24	1500	22.00*12.00*9.50	SIP
PS06-B48XX		18-75	3.3,5,9,12,15,24			
PS06-B24DXX	6	9-36	±5,±12,±15	1500	22.00*12.00*9.50	SIP
PS06-B48DXX		18-75	±5,±12,±15			
PS10-B24XX	10	9-36	3.3,5,9,12,15,24	1500	22.00*12.00*9.50	SIP
PS10-B48XX		18-75	3.3,5,9,12,15,24			

Package Size

① PS06-BXXDXX



Third perspective
Unit: mm



Pin	Single	Double
1	-Vin	-Vin
2	+Vin	+Vin
3	CTRL	CTRL
5	NC	NC
6	+Vo	+Vo
7	OV	COM
8	NC	-Vo

Note:

1. Size unit: mm
2. Terminal section tolerance: ± 0.1 mm
3. Other dimensional tolerance: ± 0.5 mm

PWL06-XXSXXP-R3(B2)(B3)

Features

- Ultra-wide input voltage range (4:1)
- Efficiency up to 89%
- Isolation voltage 1500 VDC
- Input undervoltage protection,output short-circuit,over current protection
- Operating temperature range: -40°C to +105°C
- Standard DIP package



6W Series

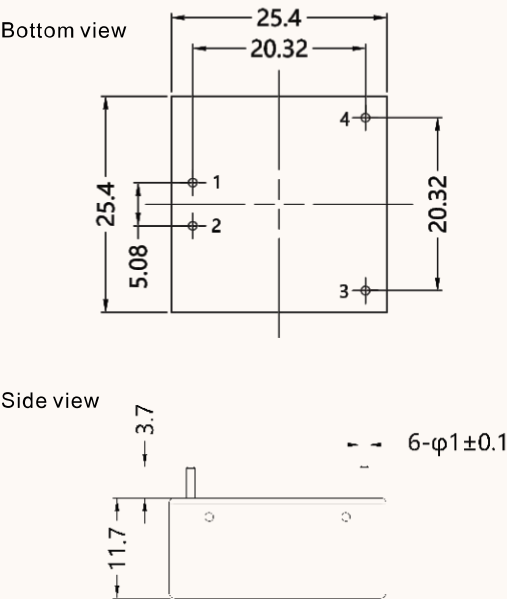
Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PWL06-24SXXM-R3	6	9-36	3.3,5,9,12,15,24	1500	25.40*25.40*11.70	DIP
PWL06-48SXXM-R3		18-75	3.3,5,9,12,15,24			
PWL06-24DXX	6	9-36	±5,±12,±15,±24	1500	25.40*25.40*11.70	DIP
PWL06-48DXX		18-75	±5,±12,±15,±24			

Add "B2" to the suffix of the product model for wiring type package expansion, and add "B3" to the suffix for rail ype package expansion.

Package Size

① PWL06-XXSXXM-R3

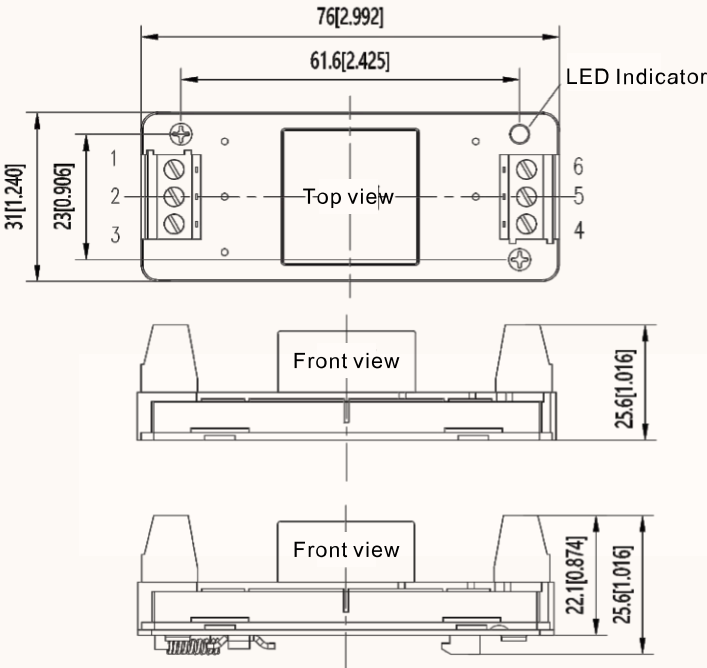


Pin	Mark
1	+Vin
2	-Vin
3	-Vo
4	+Vo

Third perspective
Unit: mm

Note:
1. Size unit: mm
2. Unlabeled dimension tolerance: ±0.5mm

② PWL06-XXSXXM-R3



Pin	Mark	Pin	Mark
1	+Vin	4	-Vo
2	-Vin	5	NC
3	NC	6	+Vo

PDJ06-XXSXXMY-W(S)

Features

- Ultra-wide input voltage range (4:1)
- Efficiency up to 89%
- Isolation voltage 1500 VDC
- Input undervoltage protection,output short-circuit,over current protection
- Operating temperature range: -40°C to +105°C
- Standard DIP package
- Single and double way output



Product Selection

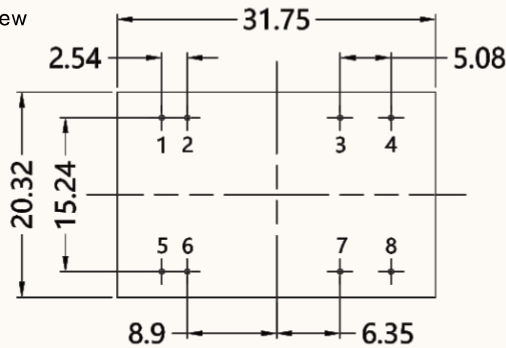
Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/ mm	Type
PDJ06-12SXXMY-W	6	9-36	3.3,5,12,15,24	1500	31.75*20.32*10.16	DIP
PDJ06-48SXXMY-W		18-75	3.3,5,12,15,24			
PDJ06-12DXXXMY-W	6	9-36	±5,±12,±15	1500	31.75*20.32*10.16	DIP
PDJ06-48DXXXMY-W		18-75	±5,±12,±15			

The suffix "S" indicates over-current protection function.

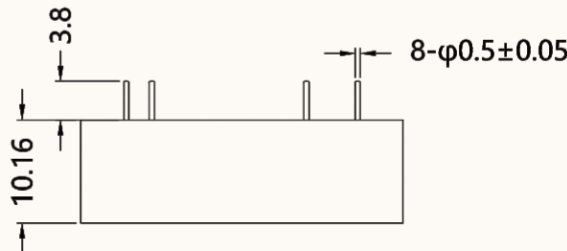
Package Size

① PDJ06-XXDXXXMY-W

Bottom view



Side view



Third perspective
Unit: mm



Pin	Mark
1、 2	+Vin
5、 6	-Vin
3	-Vo
4	+Vo
7	NP
8	NC

Note:
1. Size unit: mm
2. Unlabeled dimension tolerance: ±0.5m

PDL10-XXSXXP-WR3(B2)(B3)

Features

- Ultra-wide input voltage range (4:1)
- Efficiency up to 89%
- Isolation voltage 1500 VDC
- Input undervoltage protection,output short-circuit,over current protection
- Operating temperature range: -40°C to +105°C
- Standard DIP package
- Single and double way output



10W Series

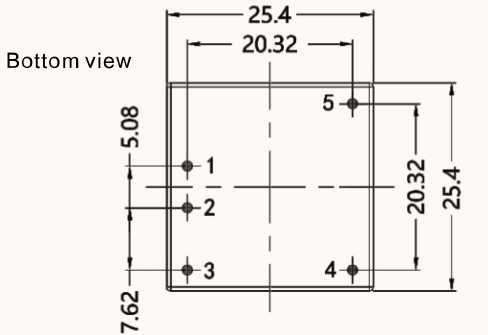
Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/ mm	Type
PDL10-24SXXP-WR3	10	9-36	3.3,5,12,15,24	1500	25.40*25.40*11.70	DIP
PDL10-48SXXP-WR3		18-75	3.3,5,12,15,24			

Add "B2" to the suffix of the product model for wiring type package expansion, and add "B3" to the suffix for rall type package expansion.

Package Size

① PDL10-XXSXXP-WR3

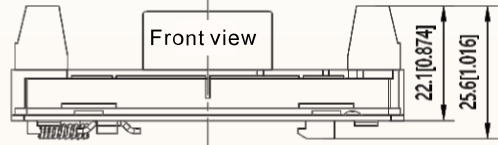
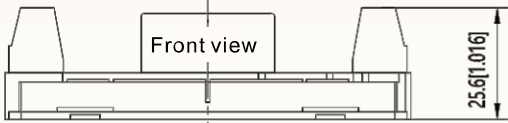
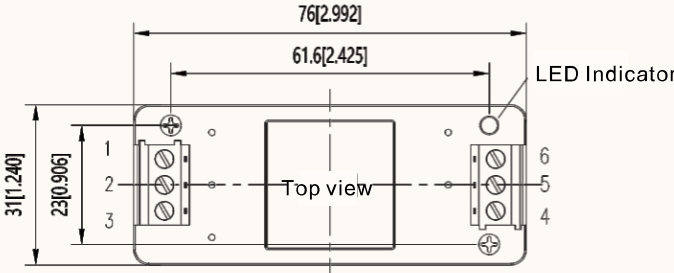


Pin	Mark
1	+Vin
2	-Vin
3	Ctrl
4	-Vo
5	+Vo

Third perspective
Unit: mm

- Note:
- 1. Size unit: mm
 - 2. Unlabeled dimension tolerance: ± 0.5 mm

② PDL10-XXSXXP-WR3(B2/B3)



Pin	Mark	Pin	Mark
1	+Vin	4	-Vo
2	-Vin	5	NC
3	Ctrl	6	+Vo

PDL20-XXSXXP-WR3(B2)(B3)

Features

- Ultra-wide input voltage range (4:1)
- Efficiency up to 89%
- Isolation voltage 1500 VDC
- Input undervoltage protection,output short-circuit,over current protection
- Operating temperature range: -40°C to +105°C
- Standard DIP package
- Single and double way output



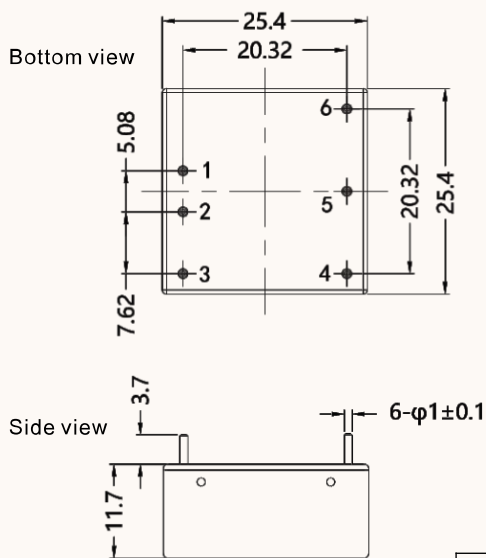
Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PDL20-24SXXP-WR3	20	9-36	3.3,5,9,12,15,24	1500	25.40*25.40*11.70	DIP
PDL20-48SXXP-WR3		18-75	3.3,5,9,12,15,24			

The suffix "B2" added to the product model indicates a terminal wiring package extension, and the suffix "B3" indicates a DIN rail mounting package extension.

Package Size

① PDL20-XXSXXP-WR3

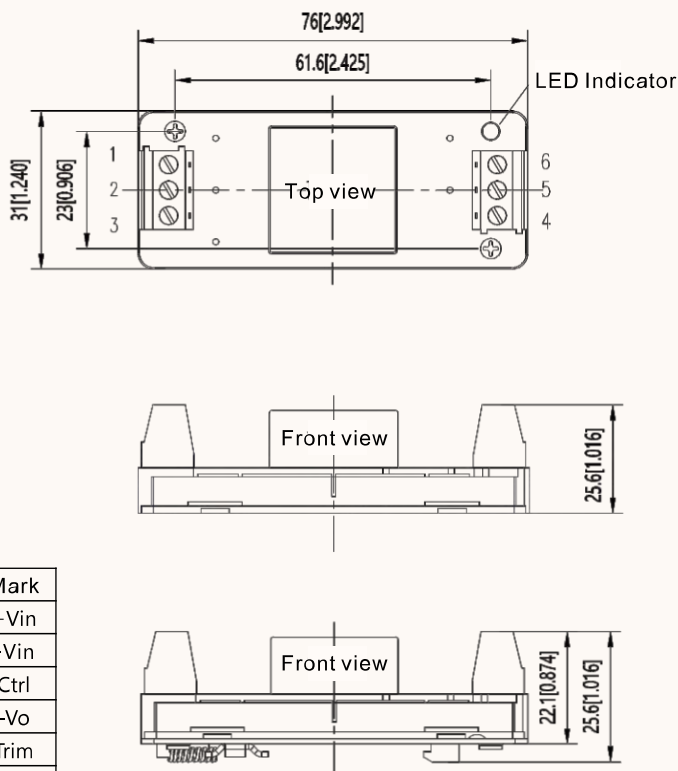


Third perspective
Unit: mm

Note:

1. Size unit: mm
2. Unlabeled dimension tolerance: ± 0.5 mm

② PDL20-XXSXXP-WR3(B2/B3)



PDD25-XXSXXMY

Features

- Wide input voltage range (2:1)
- High efficiency
- Isolation voltage 1500 VDC
- Input undervoltage protection,output short-circuit,over current protection
- Operating temperature range: -40°C to +85°C
- Standard DIP package



25W Series

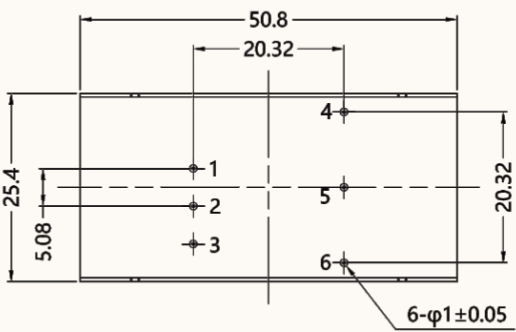
Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PDD25-24SXXMY	25	18-36	3.3,5,12,15	1500	50.80*25.40*10.16	DIP
PDD25-48SXXMY	25	36-75	3.3,5,12,15	1500	50.80*25.40*10.16	DIP

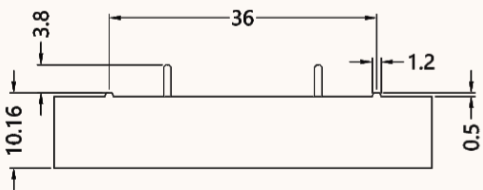
Package Size

1 PDD25-XXSXXMY

Bottom view



Side view



Third perspective
Unit: mm



Pin	Mark
1	+Vin
2	-Vin
3	CNT
4	-Vo
5	Trim
6	+Vo

Note:
1. Size unit: mm
2. Unlabeled dimension tolerance: ±0.5mm

PHD30-XXSXXP-R3 (B2)(B3)

Features

- Ultra-wide input voltage range (4:1)
- Efficiency up to 92%
- Isolation voltage 3000 VDC
- Input undervoltage protection,output short-circuit,over current protection
- Operating temperature range: -40°C to +105°C
- Standard DIP package
- Single and double way output



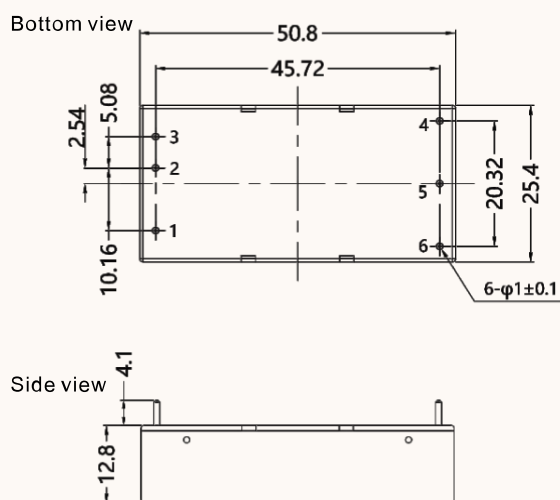
Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/ mm	Type
PHD30-24SXXP-R3	30	9-36	3.3,5,12,15,24,28	3000	50.80*25.40*12.80	DIP
PHD30-48SXXP-R3		18-75	3.3,5,12,15,24,28			

Adding the suffix "B2" to the product model indicates the extension with a terminal wiring package, while the suffix "B3" indicates the extension with a DIN rail mounting package.

Package Size

① PHD30-XXSXXP-R3



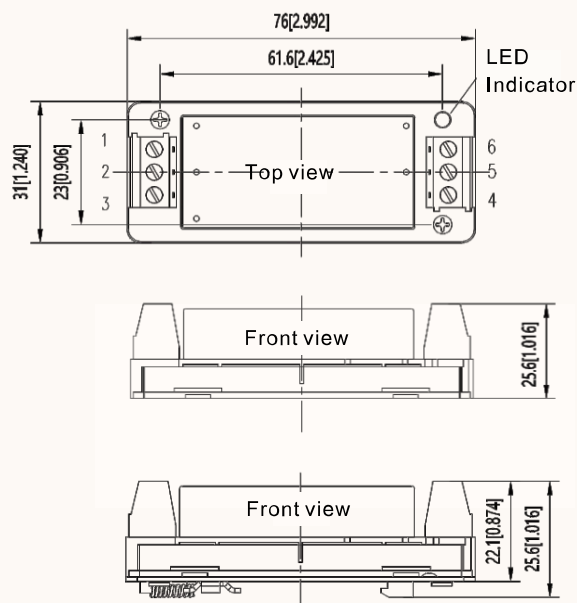
Third perspective
Unit: mm

Installation precautions:

1. Size unit: mm
2. Tolerance not marked: $\pm 0.5\text{mm}$
3. Installation method: DIP plug-in installation, welding
4. Heat dissipation method: natural cooling

Pin	Mark	Pin	Mark
1	Ctrl	4	+Vo
2	-Vin	5	-Vo
3	+Vin	6	Trim

② PHD30-XXSXXP-R3(B2/B3)



Pin	Mark	Pin	Mark
1	+Vin	4	Trim
2	-Vin	5	-Vo
3	Ctrl	6	+Vo

PHD50-BXXXX

Features

- Ultra-wide input voltage range (4:1)
- Efficiency up to 92%
- Isolation voltage 1500 VDC
- Input undervoltage protection,output short-circuit,over current protection
- Operating temperature range: -40°C to +105°C
- Standard DIP package
- Single and double way output



50W Series

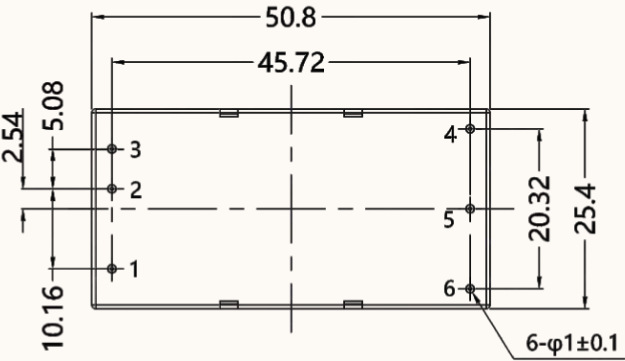
Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PHD50-B24XX	50	9-36	3.3,5,9,12,15,24	1500	50.80*25.40*12.80	DIP
PHD50-B48XX	50	18-75	3.3,5,9,12,15,24	1500	50.80*25.40*12.80	DIP

Package Size

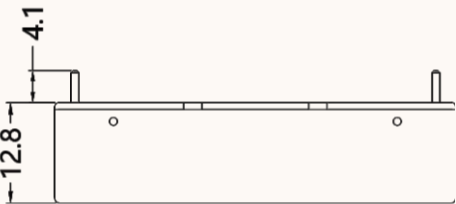
1 PHD50-BXXXX

Bottom view



Third perspective Unit: mm

Side view



Pin	Mark	Pin	Mark
1	Ctrl	4	+Vo
2	-Vin	5	-Vo
3	+Vin	6	Trim

- Installation precautions:
1. Size unit: mm
 2. Tolerance not marked: $\pm 0.5\text{mm}$
 3. Installation method: DIP plug-in installation, welding
 4. Heat dissipation method: natural cooling

PES20-48XX PES30-C48XX(N)

Features

- Wide 2:1 input voltage range
- 20W / 30W power rating
- High efficiency up to 90%
- Wide operating temperature range: -40°C to +85°C
- Input undervoltage protection, output short-circuit protection, over-current protection and over-voltage protection
- Standard 1/16 brick package
- 1500VDC / 2250VDC input-to-output isolation voltage

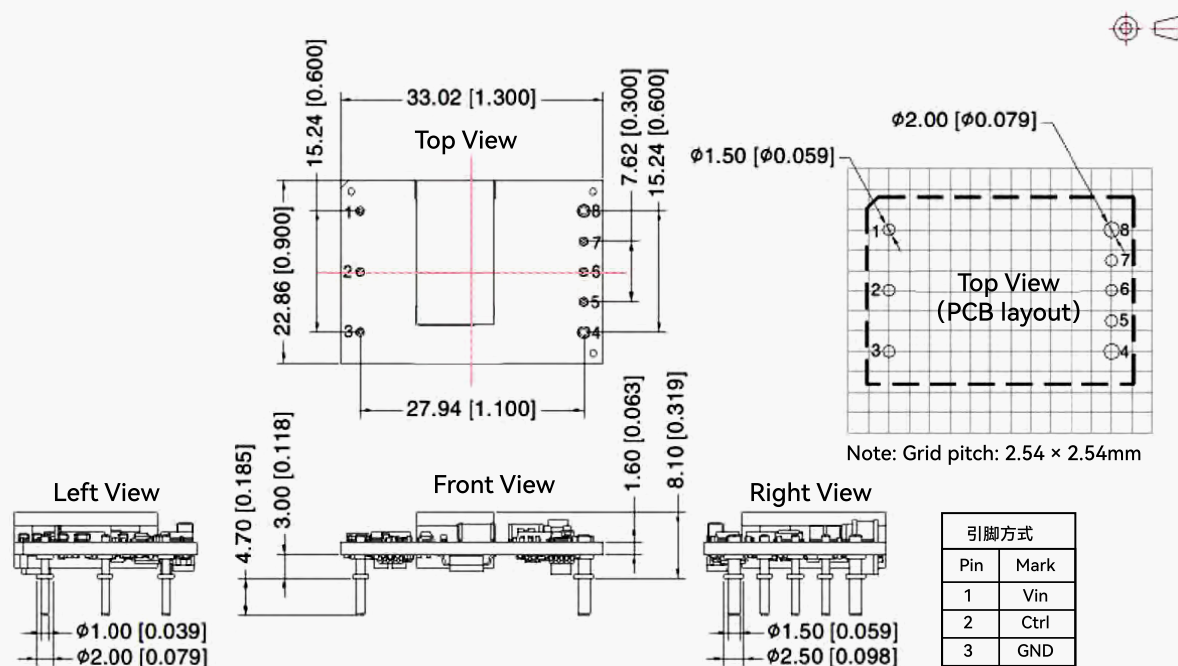


Product Selection

Product Model	Control Logic	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PES20-48XX	Positive Logic	20W	36-75	3.3,5,12,15,24,28	1500	33.00*22.80*9.20	1/16 砖
PES30-C48XX	Positive Logic	30W	36-75	3.3,5,12,15,24,28	2250	33.00*22.80*9.20	
PES30-C48XXN	Negative Logic	30W	36-75	3.3,5,12,15,24,28	2250	33.00*22.80*9.20	

Package Size

① PES20-48XX PES30-C48XX(N)



Notes:

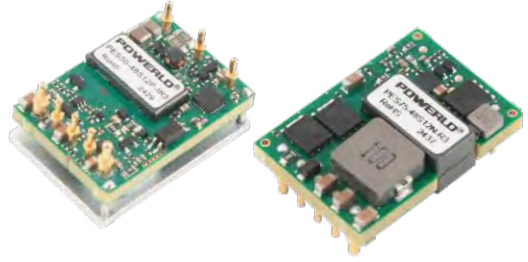
1. Dimensions are in mm [inch].
2. Terminal diameter tolerance: ± 0.10 [± 0.004].
3. General tolerance: ± 0.50 [± 0.020].
4. Component layout is for reference only. Actual product shall prevail.

引脚方式	
Pin	Mark
1	Vin
2	Ctrl
3	GND
4	0V
5	Sense-
6	Trim
7	Sense+
8	+VO

PES75-48SXXP-R3

Features

- Power range: 50-75W
- Wide input voltage range: 36-75 VDC
- Efficiency up to 92%
- Isolation voltage 1500 VDC
- Input voltage protection, output short-circuit, over current, over voltage, over temperature protection
- Operating temperature range: -40°C to +85°C
- International standard 1/16 brick package



Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PES50-48SXX(P/N)-R3	50	36-75	5,12,28	1500	33.00*22.80*10.60	1/16 砖
PES50-48SXX(P/N)-IR3	50	36-75	5,12,28		33.00*22.80*12.70	
*PES60-48XX(N)(Q)	60	36-75	3.3,5,12,15,24,28		33.00× 22.80×9.20	
*PES60-48XX(N)(Q)-(I)	60	36-75	3.3,5,12,15,24,28		33.02× 22.86×11.90	
PES75-48SXX(P/N)-R3	75	36-75	5,12,28,48		33.00*22.80*10.60	
PES75-48SXX(P/N)-IR3	75	36-75	5,12,28,48		33.00*22.80*12.70	

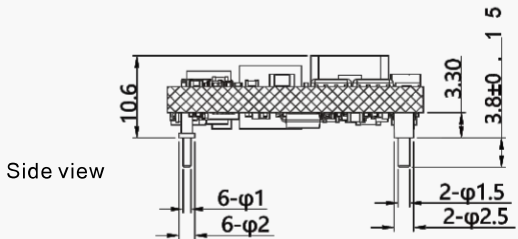
* Suffix "N" denotes negative logic; no suffix denotes positive logic.
 Suffix "Q" denotes conformal coating; no suffix denotes non-conformal coating.
 Suffix "I" denotes an I-type heatsink; no suffix denotes no heatsink.

Package Size

① PES75-48SXX(P/N)-R3



Top view

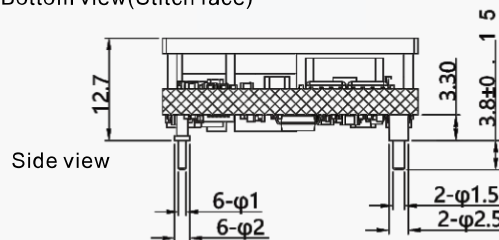


Side view

② PES75-48SXX(P/N)-IR3



Bottom view(Stitch face)



Side view

Third perspective
Unit: mm

Note:

1. Size unit: mm
2. Terminal section tolerance: $\pm 0.1\text{mm}$
3. Unmarked tolerance: $X.XX = \pm 0.25\text{mm}$; $X.X = \pm 0.5\text{mm}$
4. Pin 1/2/3/5/6/7: $\phi 1\text{mm}$; Pin 4/8: $\phi 1.5\text{mm}$
5. Installation method: DIP plug-in installation, welding
6. Heat dissipation mode: natural cooling/air cooling

Pin	Mark	Pin	Mark
1	Ctrl	5	Sense-
2	-Vin	6	Trim
3	+Vin	7	Sense+
4	-Vo	8	+Vo

PES100-48XX(N)(Q)-(I)

Features

- Power: 100W
- Wide input voltage range: 36-75 VDC
- Efficiency up to 92%
- Isolation voltage 1500 VDC
- Input voltage protection, output short-circuit, over current, over voltage, over temperature protection
- Operating temperature range: -40°C to +85°C
- International standard 1/16 brick package

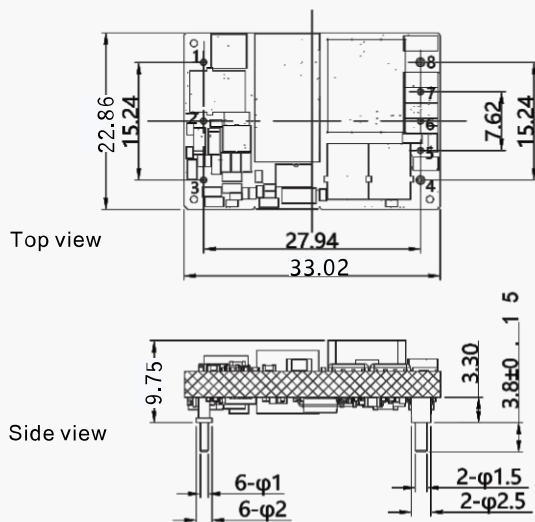


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PES100-48XX(N)(Q)	100	36-75	5,12,15,24,28	1500	33.00× 22.80×10.60	1/16 砖
PES100-48XX(N)(Q)-(I)					33.02× 22.86×12.70	

Package Size

① PES100-48XX(N)



Third perspective
Unit: mm



Note:

1. Size unit: mm
2. Terminal section tolerance: $\pm 0.1\text{mm}$
3. Unmarked tolerance: $X.XX = \pm 0.25\text{mm}$; $X.X = \pm 0.5\text{mm}$
4. Pin 1/2/3/5/6/7: $\phi 1\text{mm}$; Pin 4/8: $\phi 1.5\text{mm}$
5. Installation method: DIP plug-in installation, welding
6. Heat dissipation mode: natural cooling/air cooling

Pin	Mark	Pin	Mark
1	Ctrl	5	Sense-
2	-Vin	6	Trim
3	+Vin	7	Sense+
4	-Vo	8	+Vo

PEE75-48SXXNY-6 PEE240-48S12NY-6

Features

- Power range: 50-240W
- Wide input voltage range: 36-75 VDC
- Efficiency up to 92%
- Isolation voltage 1500 VDC
- Input voltage protection, output short-circuit, over current, over voltage, over temperature protection
- Operating temperature range: -40°C to +85°C
- International standard 1/8 brick package



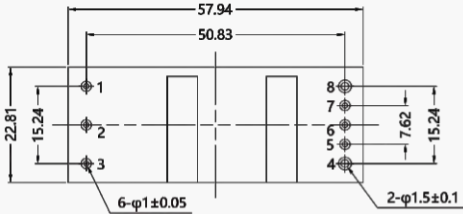
Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/ mm	Type
PEE50-48S12NY-6	50	36-75	12	1500	57.94*22.81*9.80	1/8 砖
PEE50-48S12NY-I-6			12		57.94*22.81*12.70	
PEE75-48SXXNY-6	75		5,12,14,48		57.94*22.81*9.80	
PEE75-48SXXNY-I-6			5,12,14,48		57.94*22.81*12.70	
PEE100-48SXXNY-6	100		3.3,12		57.94*22.81*12.70	
PEE100-48SXXNY-I-6			3.3,12		57.94*22.81*12.70	
PEE150-48SXXNY-6	150		1.0,3.3,5		57.94*22.81*9.80	
PEE150-48SXXNY-I-6			1.0,3.3,5		57.94*22.81*12.70	
PEE240-48S12NY-6	240		12		57.94*22.81*10.90	
PEE240-48S12NY-I-6			12		57.94*22.81*13.50	
PEE240-48S12NY-H-6			12		57.94*22.81*22.00	

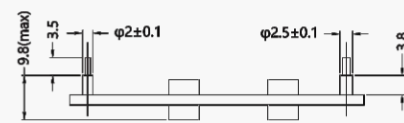
Package Size

① PEE75-48SXXNY-6 PEE75-48SXXNY-I-6

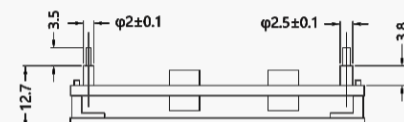
Bottom view



Side view



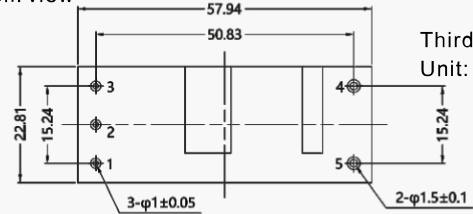
Side view



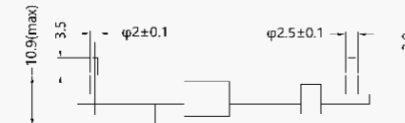
Pin	Mark
1	-Vin
2	CNT
3	+Vin
4	+Vo
5	+SENSE
6	Trim
7	-SENSE
8	-Vo

② PEE240-48S12NY-6 PEE240-48S12NY-H-6

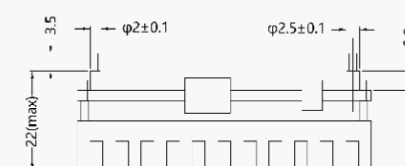
Bottom view



Side view



Side view



Third perspective
Unit: mm

Pin	Mark
1	+Vin
2	CNT
3	-Vin
4	-Vo
8	+Vo

Note: 1. Size unit: mm

2. Unlabeled dimension tolerance: ±0.5mm

PEE120-C48XXN-I系列

Features

- Wide 36-75VDC input voltage range
- High efficiency up to 93%
- 2250VDC input-to-output isolation voltage
- Comprehensive protection: input undervoltage, output short-circuit, over-current, over-voltage and over-temperature protection
- Wide operating temperature range: -40°C to +100°C
- Standard 1/8 brick package
- Safety compliant with UL/EN62368 standards

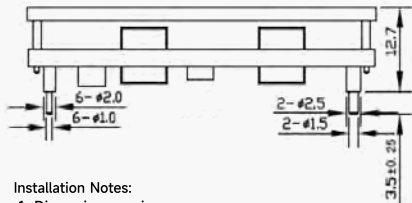
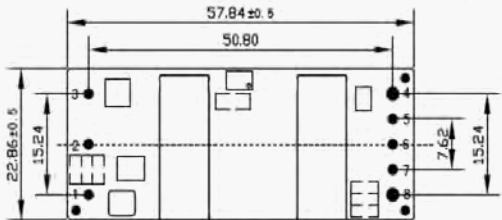


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PEE120-C4805N-I	120	36-75	5	2250	58.40*22.86*12.70	DIP
PEE120-C4812N-I			12			
PEE120-C4824N-I			24			
PEE120-C4828N-I			28			
PEE120-C4848N-I			48			

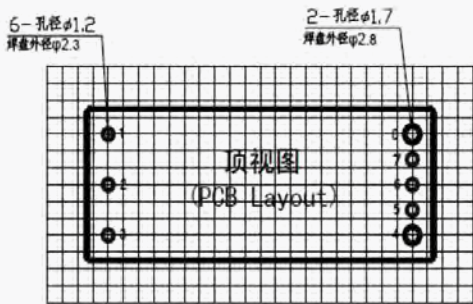
Package Size

● PEE120-C48XXN-I



Installation Notes:

1. Dimensions are in mm.
2. Pin terminal diameter tolerance: +0.10mm.
3. General tolerance: X.XX = +0.25mm; X.X = +0.50mm.
4. Pin diameter: Pin 1/2/3/5/6/7: Ø1.0mm; Pin 4/8: Ø1.5mm.
5. Mounting: DIP through-hole mounting, wave soldering or hand soldering.
6. Cooling: Natural convection or forced air cooling.



注: 栅格距离为2.54*2.54mm

Pin Assignment

Pin Number	Pin Name	Description	Pin Number	Pin Name	Description
1	+Vin	Positive Input	5	-Sence	Output Voltage Negative Sense
2	CNT	Control	6	Trim	Output Voltage Adjustment
3	-Vin	Negative Input	7	+Sence	Output Voltage Positive Sense
4	-Vo	Negative Output	8	+Vo	Positive Output

PEQ400-48SXXNY-I-6

Features

- Wide input voltage range: 36-75 VDC
- Efficiency up to 92%
- Isolation voltage 1500 VDC
- Input voltage protection, output short-circuit, over current, over voltage, over temperature protection
- Operating temperature range: -40°C to +85°C
- International standard 1/4 brick package

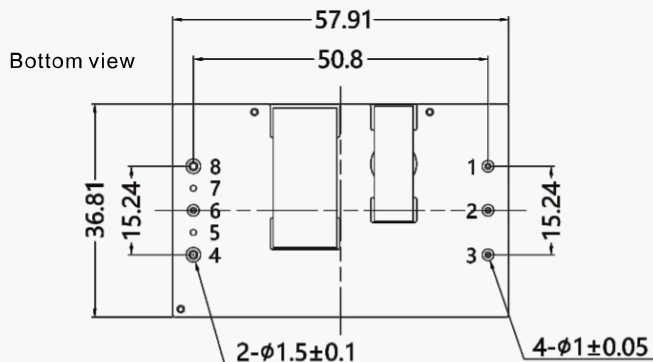


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/ mm	Type
PEQ400-48S48NY-I-6	400	36-75	48	1500	57.94*36.81*13.70	1/4 砖
PEQ400-48S48NY-H-6		36-75	48	1500	57.94*36.81*25.60	

Package Size

① PEQ400-48SXXNY-I-6



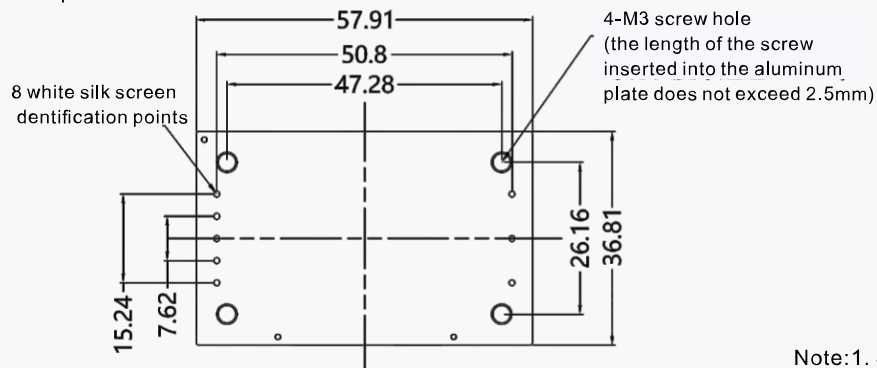
Third perspective
Unit: mm



Side view



Top view



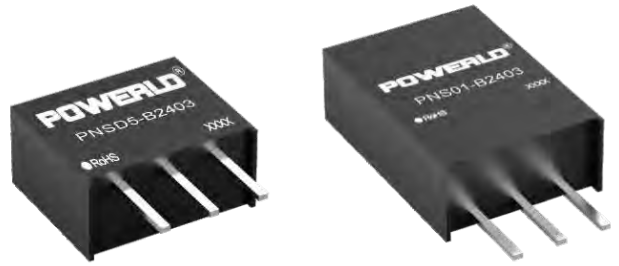
Pin	Mark
1	+Vin
2	CNT
3	-Vin
4	-Vo
5	NP
6	Trim
7	NP
8	+Vo

Note:1. Size unit: mm
2. Unlabeled dimension tolerance: $\pm 0.5\text{mm}$

PNSD5-B24XX PNS01-B24XX

Features

- Output current range: 0.5A, 1A
- Wide input voltage range
- Efficiency up to 96%
- No-load input current as low as 0.5mA
- Operating temperature range: -40°C to +85°C
- Output short-circuit protection
- Standard SIP package

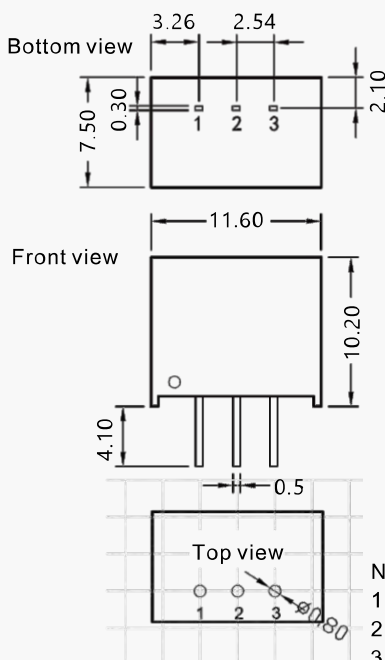


Product Selection

Product Model	Input Voltage/VDC	Output Voltage/VDC	Output current/A	Package Size/ mm	Type
PNSD5-B2403	4.5-30	3.3	0.5	11.60*7.50*10.20	SIP
PNSD5-B2405	6.0-36	5			
PNSD5-B246D5	8-36	6.5			
PNSD5-B2409	12-36	9			
PNSD5-B2412	16-36	12			
PNSD5-B2415	18-36	15			
PNS01-B2403	6.0-36	3.3	1	11.50*9.10*17.50	
PNS01-B2405	8-36	5			
PNS01-B2409	12-36	9			
PNS01-B2412	16-36	12			
PNS01-B2415	18-36	15			

Package Size

① PNSD5-B24XX



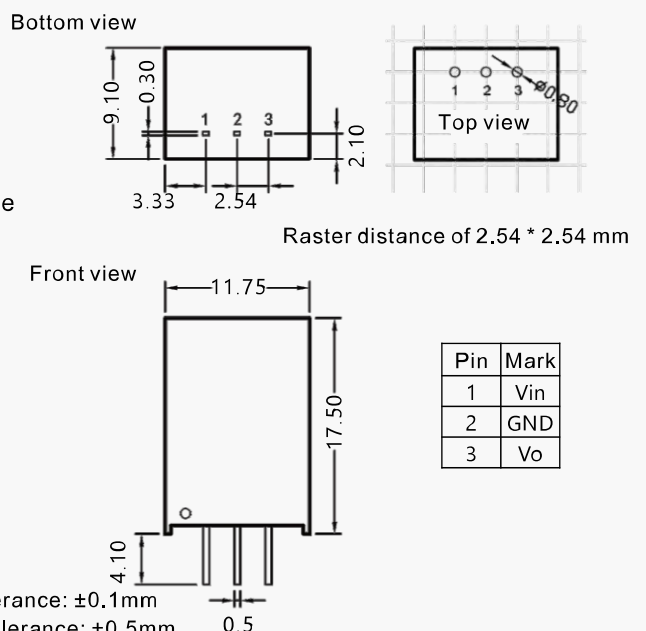
Third perspective
Unit: mm

Pin	Mark
1	Vin
2	GND
3	Vo

Note:

1. Size unit: mm
2. Terminal section tolerance: $\pm 0.1\text{mm}$
3. Other dimensional tolerance: $\pm 0.5\text{mm}$

② PNS01-B24XX



Pin	Mark
1	Vin
2	GND
3	Vo

PNS06-XXSAN-B PNS10-XXSAN-B

Features

- Wide voltage range input
- Efficiency up to 95%
- Output short-circuit protection
- Fast transient response
- Small SIP package
- Operating temperature range: -40°C to +85°C



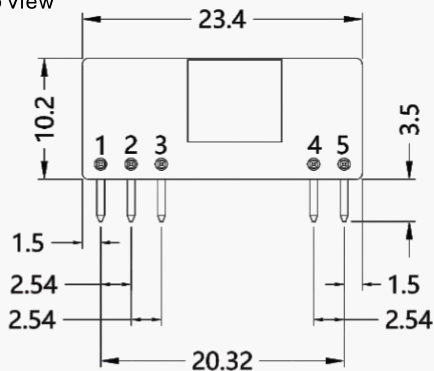
Product Selection

Product Model	Input Voltage/VDC	Output Voltage/VDC	Output current/A	Package Size/mm	Type
PNS06-5SAN-B	2.9-5.5	0.75-3.63	6	23.40*10.20*5.90	SIP
PNS06-12SAN-B	8-14	0.75-5		23.40*10.20*5.90	
PNS10-12SAN-B	8-14	0.75-5	10	23.40*10.20*6.90	SIP

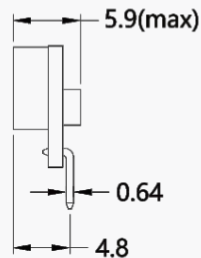
Package Size

① PNS06-XXSAN-B

Top view



Side view

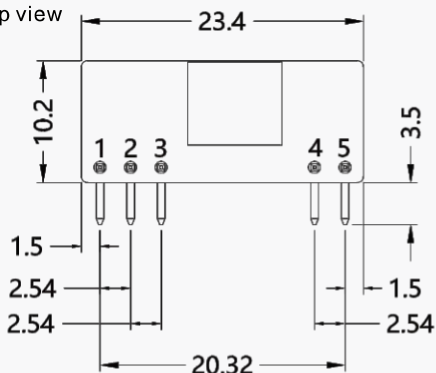


Pin	Mark
1	Vout
2	Trim
3	GND
4	Vin
5	CNT

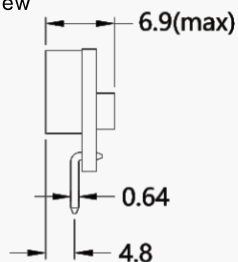
Third perspective
Unit: mm

② PNS10-XXSAN-B

Top view



Side view



Pin	Mark
1	Vout
2	Trim
3	GND
4	Vin
5	CNT

Note:

1. Size unit: mm
2. Terminal section tolerance: $\pm 0.25\text{mm}$
3. Other dimensional tolerance: $\pm 0.5\text{mm}$

PNJ16 Series

Features

- Wide input voltage range
- Efficiency up to 93%
- Fast transient response
- The output voltage is adjustable
- Input undervoltage protection, output short-circuit protection, output over-current protection
- Operating temperature range: -40°C to +85°C
- Standard SIP package

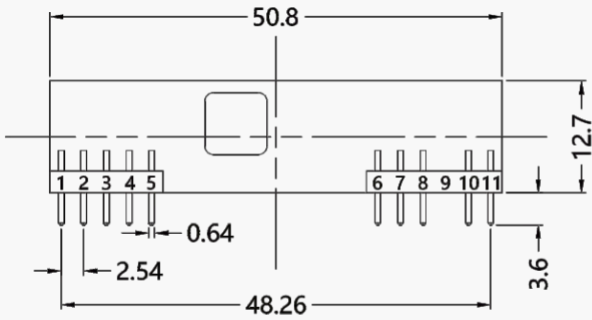


Product Selection

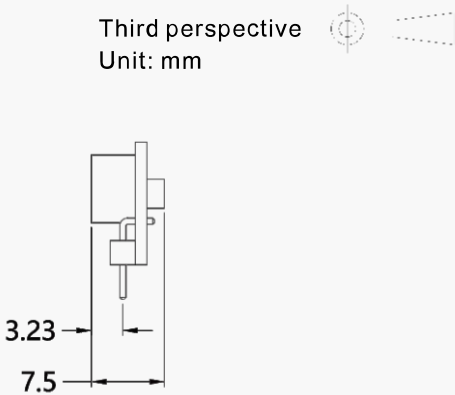
Product Model	Input Voltage/VDC	Output Voltage/VDC	Output current/A	Package Size/mm	Type
PNJ16-5SANY	2.9-5	0.75-3.63	16	50.80*12.70*7.50	SIP
PNJ16-12S4V2PY-B	8-14	4.2			
PNJ16-12S05PY-B	8-14	5			

Package Size

① PEE75-48SXXNY-6 PEE75-48SXXNY-I-6



Top view



Side view

Pin	Mark	Pin	Mark
1	+Vout	7	+Vin
2	+Vout	8	+Vin
3	+SENSE	9	NC
4	+Vout	10	Trim
5	GND	11	CNT
6	GND		

Note:
1. Size unit: mm
2. Terminal section tolerance: $\pm 0.25\text{mm}$
3. Other dimensional tolerance: $\pm 0.5\text{mm}$

PNHD25-B2405-I

Features

- Ultra-wide 4:1 input voltage range
- High efficiency up to 93%
- Wide operating temperature range: -40°C to +85°C
- Comprehensive protection: input undervoltage, output short-circuit, over-current, over-voltage and over-temperature protection

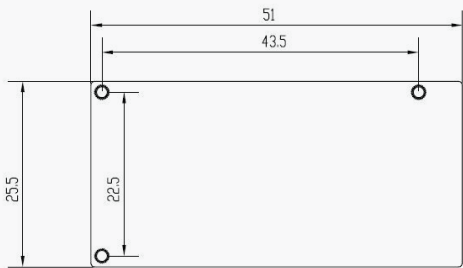


Product Selection

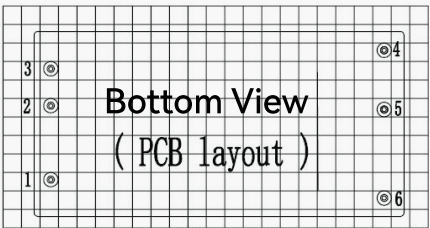
Product Model	Input Voltage/VDC	Output Voltage/VDC	Output current/A	Package Size/mm	Type
PNHD25-B2405-I	9-36	5	25	51*25.5*17.5	DIP

Package Size

1 PNHD25-B2405-I

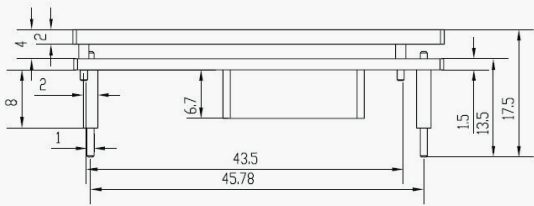


Top View



Bottom View
(PCB layout)

Note: Grid pitch: 2.54 × 2.54mm



Side View

- Notes:
1. Dimensions are in mm [inch].
 2. Pin cross-section tolerance: ± 0.10 [± 0.004].
 3. Unspecified tolerance: ± 0.50 [± 0.0195].

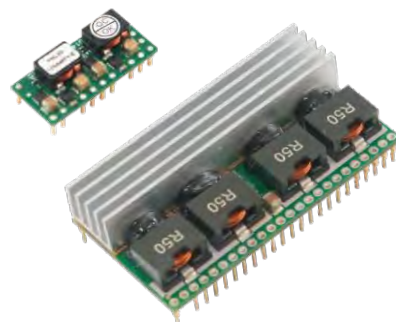
Pin Definition

Pin No.	Definition	Description
1	Ctrl	Remote ON/OFF Control
2	-Vin	VIN- (Negative Input)
3	+Vin	VIN+ (Positive Input)
4	+Vo	Vo+ (Positive Input)
5	-Vo	Vo- (Negative Input)
6	Trim	TRIM (Output Voltage Adjustment)

PNL30-12SAWPY-E-A PNS80-12SAPY-B

Features

- Wide input voltage range
- Efficiency up to 93%
- Fast transient response
- The output voltage is adjustable
- Input undervoltage protection, output short-circuit protection, output over-current protection
- Operating temperature range: PNL30: -40°C to +85°C
- PNS80: 0°C to +70°C
- Standard DIP package

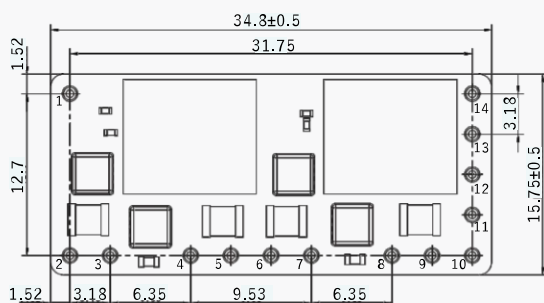


Product Selection

Product Model	Input Voltage/VDC	Output Voltage/VDC	Output current/A	Package Size/mm	Type
PNL30-12SAWPY-E-A	5.5-14	0.7-3.6	30	34.80*15.75*9.70	DIP
PNS80-12SAPY-B	8-13.8	0.84-2	80	61.00*31.80*14.60	

Package Size

①PNL30-12SAWPY-E-A

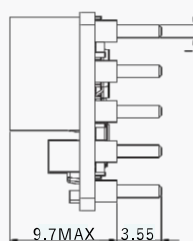


Front view

Pin	Mark	Pin	Mark
1	Inhibit/UVLO	8	Ground
2	Vin	9	Vout
3	Ground	10	+Sense
4	Ground	11	-Sense
5	Vout	12	Vout Adjust
6	Vin	13	Turbo Trans
7	Ground	14	Track

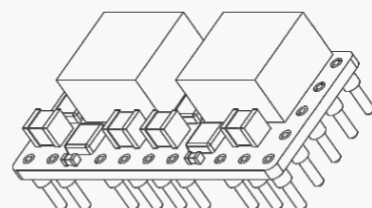
Note:

1. Size unit :mm;
2. The key dimensions in the arc frame need to be controlled;
3. Non-injection size tolerance according to GB/T 1804-M;
4. Check the label position according to the special process operation instructions.



Side view

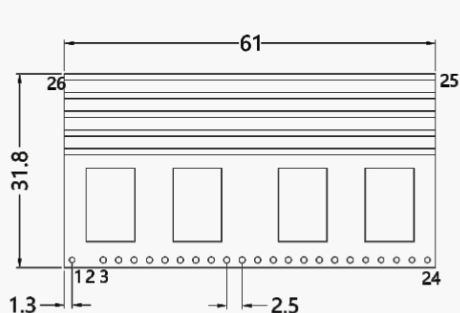
Third perspective
Unit: mm



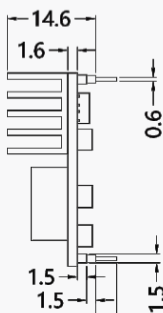
Perspective view

Pin	Mark	Pin	Mark	Pin	Mark
1	Trim+	10	Sense-	19	GND
2	No Pin	11	Sense+	20	Vout
3	GND	12	Vin	21	GND
4	PowerGOOD	13	Vin	22	Vout
5	Trim-	14	Vin	23	GND
6	Ishare	15	Vout	24	Vout
7	GND	16	Vout	25	Mech.Support
8	GND	17	GND	26	Mech.Support
9	Enable	18	Vout		

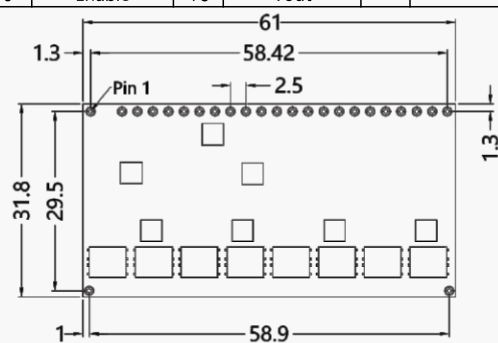
②PNS80-12SAPY-B



Top view



Side view



Bottom view

PNS30-B4812-B6

Features

- High efficiency up to 92%
- Input reverse polarity protection
- Surge immunity protection
- Wide operating temperature range: -40°C to +85°C
- Continuous short-circuit protection
- Single output

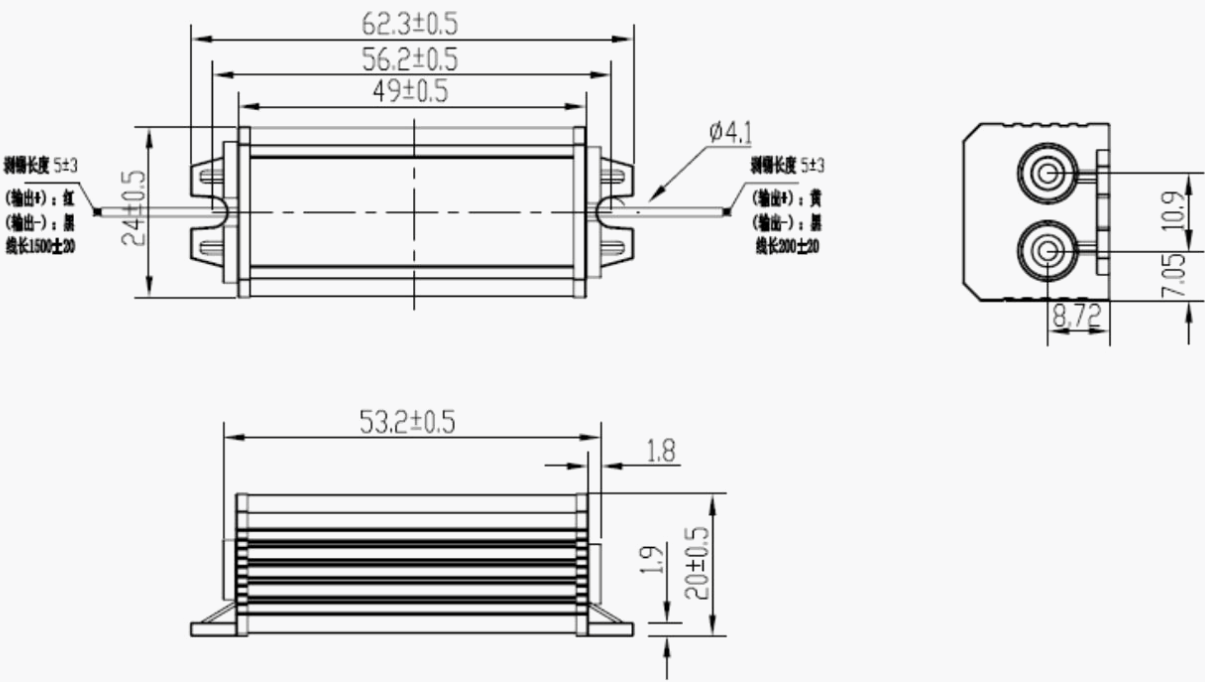


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PNS30-B4812-B6	30	18-75	12	/	62.30*24.00*20.00	Wire Lead Package

Package Size

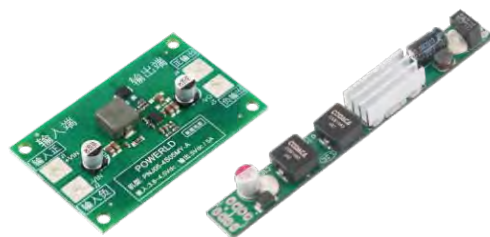
① PNS30-B4812-B6



PNJ05-4S05MY-A PNJ08-24S04MY

Features

- Power range: 25 - 36W
- Wide voltage input range
- Efficiency up to 91.5%
- Input undervoltage protection, output short-circuit protection, output over-current protection
- Operating temperature range: -40°C to +85°C

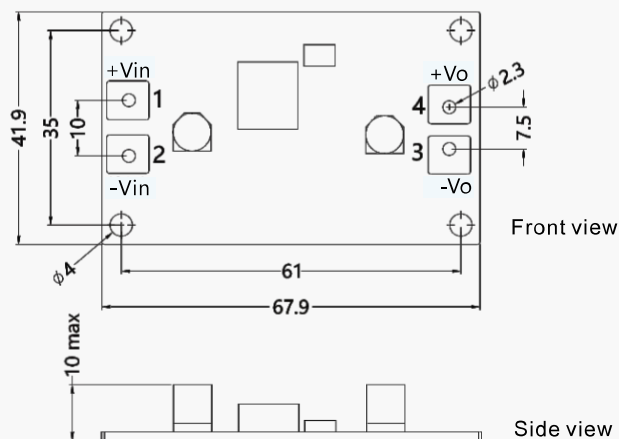


Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PNJ03-5S12MY-A	36	4.5-5	12	*	67.90*41.90*15.00	*
PNJ05-4S05MY-A	25	3.8-4.5	5	*	67.90*41.90*15.00	*
PNJ08-24S04MY	32	12-36	4	*	100.00*12.00*12.50	*

Package Size

1 PNJ03-5S12MY-A

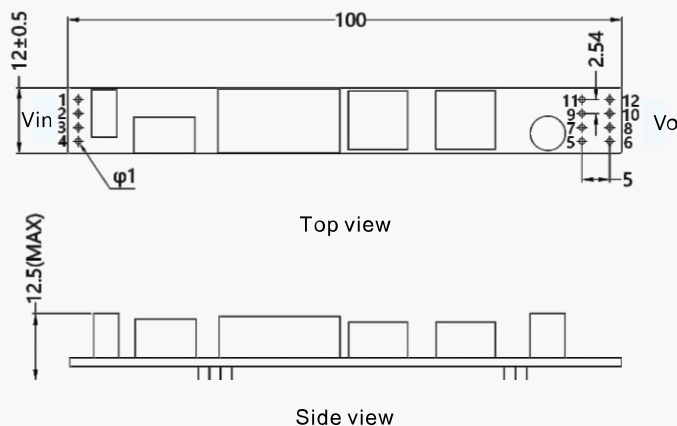


Third perspective
Unit: mm



Pin	Mark
1	+Vin
2	-Vin
3	-Vo
4	+Vo

2 PNJ08-24S04MY



Pin	Mark	Pin	Mark
1	+Vin	7	-Vo
2	+Vin	8	-Vo
3	-Vin	9	+Vo
4	-Vin	10	+Vo
5	-Vo	11	+Vo
6	-Vo	12	+Vo

Note: 1. Size unit: mm
2. Unlabeled dimension tolerance: ±0.5mm

PEL200-48S05MY-IA

Features

- Wide voltage input range
- Efficiency up to 92%
- Isolation voltage 1500 VDC
- Input undervoltage protection, output short-circuit protection, output over-current protection
- Operating temperature range: -40°C to +85°C



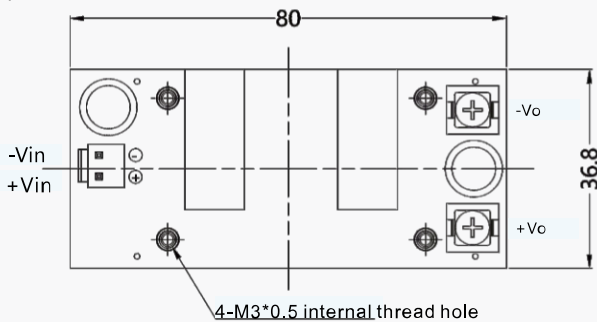
Product Selection

Product Model	Power/W	Input Voltage/VDC	Output Voltage/VDC	Isolation voltage	Package Size/mm	Type
PEL137-48S3V9MY-IJK	137	36-62	3.9	1500	89.40*36.80*22.00	接线式
PEL150-48S4V2MY-ID	150	36-62	4.2	1500	80.00*36.80*22.00	
PEL160-48S3V9MY-IA	160	36-62	3.9	1500	80.00*36.80*22.00	
PEL200-48S05MY-IA	200	36-62	5	1500	80.00*36.80*22.00	
PEL210-48S4V2MY-IA	210	36-75	4.2	1500	96.00*46.10*22.00	

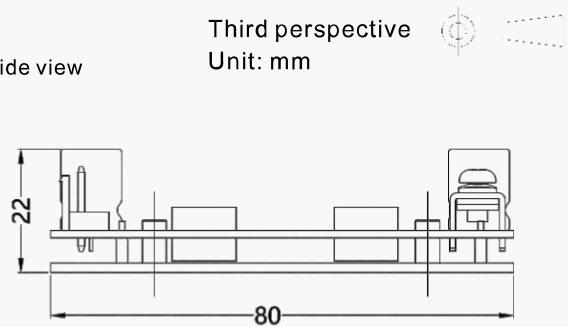
Package Size

1 PEL150-48S4V2MY-ID

Top view

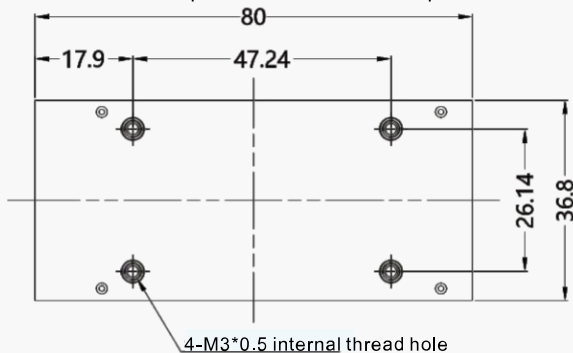


Side view



Third perspective
Unit: mm

Bottom aluminum backplane screw hole bitmap



- Note: 1. Size unit: mm
2. No dimensional tolerance: ± 0.5 mm
3. The four positioning holes are $\phi 3$ mm

Input the connection terminal pin definition:

Pin	Name	Connecting terminal	Pin number	Definition
JP1	Input terminal	VH3.96-2Pin terminal	+	+Vin
			-	-Vin

Output the connection terminal pin definition:

Terminal	Markers	Definition	Notes
Output terminal	+Vo	Output positive	M3.5 screws are used to lock and fix the connecting wires, and the wiring wire specification is recommended to be 14AWG.
	-Vo	Output negative	

HVD-150S-XX Series

Features

- Ultra-wide input voltage range: 250VDC~1500VDC (1700VDC transient withstand for 30s without damage)
- Comprehensive protection: input over-voltage, under-voltage and reverse polarity protection; output short-circuit, over-current and over-voltage protection
- Wide operating temperature range: -40°C to +85°C
- High reliability and efficiency up to 92%
- High isolation voltage up to 4000VAC
- Designed for high-altitude applications up to 5000m
- Safety design compliant with Class I and Class II requirements
- Designed with reference to UL1741, EN/IEC62109 and EN/IEC62477 standards

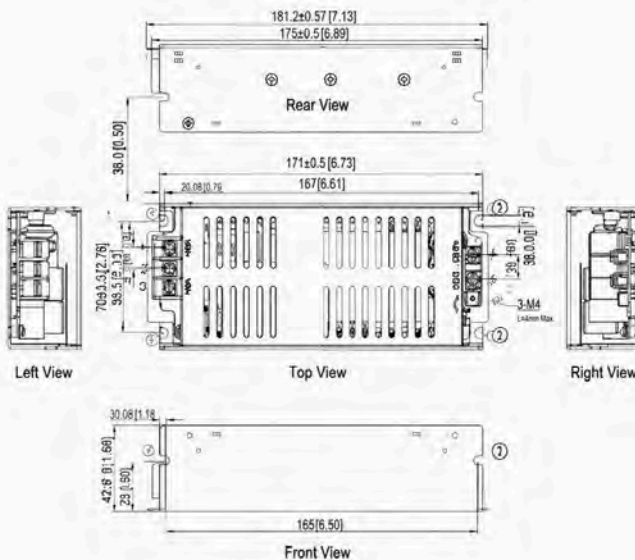


Product Selection

Product Model	Power/W	Efficiency (%) / Typ.	Input Voltage/VDC	Output Voltage/VDC	Isolation Voltage (VAC)	Package Size/mm	Type
HVD-150S-12	120W	87	250-1500	12-15	4000	181.20*70.00*42.00	Enclosed Type
HVD-150S-24	150W	90		24-28			
HVD-150S-28		91		28-32			
HVD-150S-32		91		30-36			
HVD-150S-48		92		48-58			

Package Size

1 HVD-150S-XX

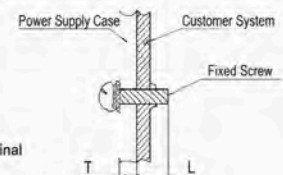


Installation Direction	Installation Method	Mounting Points	Screw Specification	L _{min} T	Maximum Screw Insertion Depth (L _{max})
Bottom Mounting	Screw Fixed	①—④	M3	1.5mm	63.7mm (2.51)
Side Mounting	Screw Fixed	①—②	M4		161.7mm (6.37)

Note: 1. For mounting safety, the length L of the screw penetrating into the power supply case must meet the requirements shown below.

1. Installation using DC input terminal

Pin No.	Function
1	+Vin
3	-Vin



2. Installation using DC output terminal

Pin No.	Function
4	+Vo
5	-Vo

Installation Precautions:

1. Dimension Unit: mm
2. Tolerance: ±1mm
3. Input terminal screw tightening torque: M4 0.9N·m(Max)
Output terminal screw tightening torque: M3 0.4N·m(Max)

HVD-350S-XX Series

Features

- Ultra-wide input voltage range: 250VDC ~ 1500VDC (1700VDC transient withstand for 30s)
- Comprehensive protection: input undervoltage, over-temperature and reverse polarity protection; output short-circuit, over-current and over-voltage protection
- Wide operating temperature range: -40°C to +85°C
- High efficiency, high reliability, low ripple and noise, and long service life
- High isolation voltage up to 4000VAC
- Designed for high-altitude applications up to 5000m
- Designed with reference to UL1741, EN/IEC62109 and CSA-C22.2 No.107.1 standards

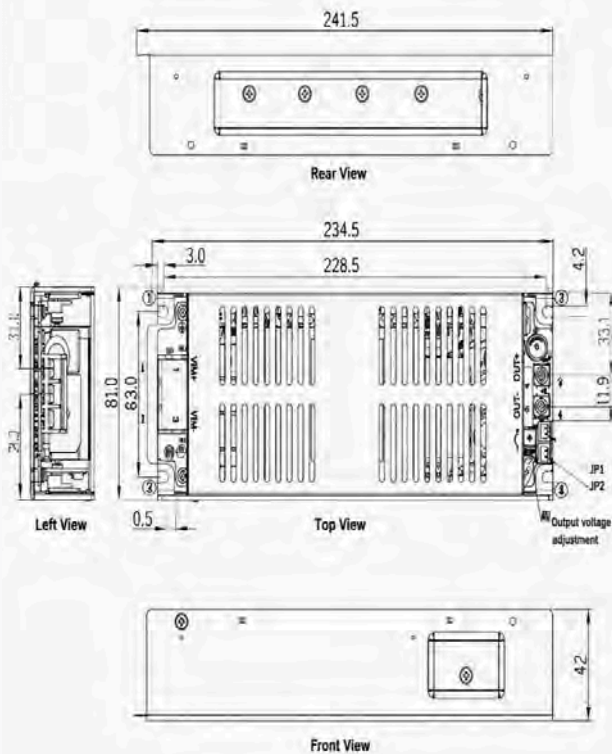


Product Selection

Product Model	Power/W	Efficiency (%) / Typ.	Input Voltage/VDC	Output Voltage/VDC	Isolation Voltage (VAC)	Package Size/mm	Type
HVD-350S-12	240W	90	250-1500	12-15	4000	241.50*81.00*42.00	Enclosed Type
HVD-350S-24	350W	92		24-29			
HVD-350S-28		92		28-32			
HVD-350S-48		93		48-58			

Package Size

1 HVI

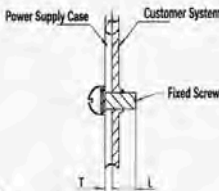


Installation Direction	Installation Method	Mounting Points	Screw Specification	T	Maximum Screw Insertion Depth (Lmax)
Bottom Mounting	Screw Fixed	①-④	5mm	1.5mm	63.7N.cm [5.02in-lb]

Note: 1. For mounting safety, the length L of the screw penetrating into the power supply case must meet the requirements shown below.

1. Installation using DC input terminal

Pin No.	Function
1	+Vin
2	-Vin



2. Installation using DC output terminal

Pin No.	Function
3	+Vo
4	-Vo

- Installation Precautions:
1. Dimension Unit: mm
 2. Tolerance: ±1mm
 3. Input terminal screw tightening torque: M4 0.8N.m (Max.)
 4. Output terminal screw tightening torque: M3 0.4N.m (Max.)

3. JP1/JP2 (two terminals as parallel port) as shown on the right

Pin Assignment	
Pin No.	Function
1	CS
2	GND



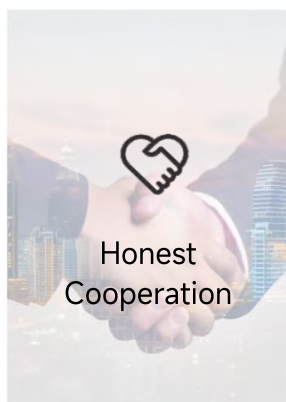
Note:

1. All dimensions are in mm.
2. General tolerance: ±1mm.

Enterprise Purpose

"Customer first, honest cooperation, diligent innovation, pursuit of excellence" is the company's business philosophy. POWERLD has been adhering to the excellence of the craftsman spirit, professional design, accurate service and reliable quality. We are committed to providing customers with proper switching power supply solutions, and becoming a trusted long-term partner of customers. Join us and create brilliant.

Business Philosophy



Application Field

Communication



Due to the diversity and complexity of the environment, customers require that the power supply can adapt to lightning strikes, surges, network fluctuations and other environments. Based on its rich experience in the field of power supply and extensive applications in the field of communication over the years, POWERLD has a deep understanding of safe and reliable power supply. It has formed a series of communication system power supply solutions, and is widely used in wireless base stations, microwave, data, transmission, access and other communication equipments.

Industrial Control

The safe and reliable power supply is necessary conditions for industrial control field. Industrial equipment power supply is characterized by many complex scenarios, and almost every industrial have its specific requirements such as small size, high efficiency, and small impact on the grid. POWERLD's DC-DC power supplies come in industry-standard packages ranging from a few watts to hundreds of watts. The power supply has undergone strict testing and inspection, and its usage is simple and fast, and it can be used in many fields such as industrial control, intelligent manufacturing, and equipment testing.



Medical Treatment



Medical equipments require high performance such as power stability, small size, light weight and high reliability. Through technological breakthroughs and innovations, POWERLD's DC-DC power supplies are not only smaller in size and simpler to use, but also higher efficiency and stability in medical devices. In addition, it can reduce electromagnetic interference, equipment noise and failure rate, meanwhile improve the overall performance and life of the equipment, which also provide a solid guarantee for the normal operation of medical equipment.

Rail Traffic

The field of rail transit has high requirements for power reliability, anti-interference, anti-vibration and so on, also needs to accord with railway EN50155/EN50121 certification standards. In order to promote the development of the rail transit industry, POWERLD's DC-DC power module provides a systematic power supply solution, using synchronous rectification technology, ultra-wide voltage design, vacuum glue filling process, to achieve efficient and reliable product performance.



New Energy



The new energy field has high requirements for power reliability and power conversion efficiency, and the application environment is very complex. In most places, it is high temperature, high humidity, salt spray, corrosion dust and other environments. POWERLD's DC-DC power supply adopts metal shell and potting process design, which improves the systematic heat dissipation and protection level of power supply over the original open-plate power supply design, and promotes the development of new energy field.

LED Display

High quality and high efficiency are the special characteristics required for LED display power supply and the installation environment of LED display is usually complex and changeable. POWERLD's DC-DC power supply can adapt to a wide voltage input range, provide stable output voltage and current, ensure the stable operation of the LED display, thereby extend the service life of the equipment, its high-frequency characteristics make the energy conversion efficiency high, reduce energy waste, and promote the development of the LED display field.



Product Safety Precautions

1. Material Requirements

- Input and output wires should be distinguished by color to avoid incorrect polarity connection.
- Shock and lightning protection is required when the product is used. If the product is not equipped with shock and lightning protection devices, such devices should be added.

2. Identification Requirements

- Specifications and symbols must be clearly marked on fuses, protective areas, and switches in accordance with safety regulations, and also warning labels must be affixed to areas with accessible dangerous high pressure and high temperature.

3. Usage Notice

- Please do not modify, disassemble the product and remove the shell to avoid electric shock or other damage.
- Improper use may cause short circuit, electric shock, damage and other phenomena.

4. Warning Signs

- Don't touch the radiator and housing. Their temperature is high.
- Don't touch input terminals and internal components of the product. There may be high temperature and high pressure.
- While the product is working, keep your hands and face away from it to avoid injury in case the product malfunctions.

5. Hotplug Requirements

- When the product does not have a hot plug function, do not plug it in while it is charged. Instead, you need to cut off the power supply before plugging it in.

6. Input/Output And Metal Shell/Ground Isolation Requirements

- The electrical gap and creepage distance between the input and output lines can meet the safety requirements.
- The electrical gap and creepage distance between the input, output and the metal housing (or ground) can meet the safety requirements.

7. Input Energy Requirements

- When the input capacitance is large, the discharge circuit (such as resistance, etc.) can be added to meet the safety requirements.
- The voltage of the input power supply should meet the requirements of the Product Technical Manual or Technical Specification.



If you encounter any problems, please contact us.

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1. Typical Application Circuit

For the typical application circuit of DC-DC power supply, it is recommended to add the appropriate LC filter to the input and output ends of the module power supply according to the actual application of the customer, otherwise it will cause interference to other lines and in severe cases, it may lead to abnormal operation.

2. ON/OFF Control Function (CNT)

For most DC-DC power supplies, there are two types of ON/OFF remote control logic, positive logic control and negative logic control. The positive logic module is turned on when the voltage is at a high-level state and turned off when the voltage is at a low-level state. The negative logic module is turned off when the voltage is at a low-level state and turned on when the voltage is at a high-level state. For different modules, each may have different logic high level and logic low level range. For specific information, please refer to our product specification.

3. Output Voltage Regulating Function (TRIM)

Because of the existence of conductor resistance, there will be a voltage drop between the load and the power line. When the current on the line is larger, it can make the voltage of the load be lower than the precision range of the power supply output voltage. The output voltage of the DC-DC module can be adjusted through the Trim terminal. By connecting an external resistor between the Trim terminal and the output-Vo or +Vo terminals, the output voltage can be increased by 10% or decreased by 20%.

4. Remote Adjustment Function (SENSE)

In some occasions where the load current often changes, due to the change of line voltage drop brought by the change of current, it results in a significant change in load terminal voltage. At this time, the simple TRIM function cannot meet the usage requirements. We must apply the remote transmission (SENSE) function. The remote transmission (SENSE) directly detects the voltage at both ends of the load to ensure the stable voltage accuracy at the load end.

5. Fuse Wire

Because there is no fuse inside the DC-DC power supply, an external fuse with safety certification should be selected. In the event of an accident caused by excessive input current, the fast fuse will blow and cut off the power supply to protect the module power supply. The fuse must be connected to the positive terminal of the power supply input, and the current rating should be selected according to the maximum current of the module power supply. (Note: If the rated working current of the fuse is too large, it will not have a protective effect, and it is easy to cause the interruption of all power supply due to a short-circuit of the power input. If the rated current is too small, it will cause false fusing.)

Description Of DCDC Converter Power Supply Test Method

1. The power module test primarily aims to verify whether the product complies with the specified specifications.
2. Confirm whether the wiring is properly connected before the test.
3. Set the oscilloscope bandwidth to 20MHz when testing ripple noise.
4. Please use a desktop digital multimeter with an effective value resolution of more than four-and-a-half digits.
5. The input voltage is adjusted to the nominal voltage and the output current is adjusted to the rated current.
6. Ripple noise is typically measured using the peak-to-peak value. The test methods include the ground-ring connection method (suitable for situations where the two output terminals are very close) and the parallel-line test method.



POWERING INDUSTRY. EMPOWERING THE FUTURE.

Since 1991, POWERLD has dedicated to delivering reliable and efficient power solutions for industrial automation, clean energy, telecom, LED displays and robotics worldwide.



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