


**Features:**

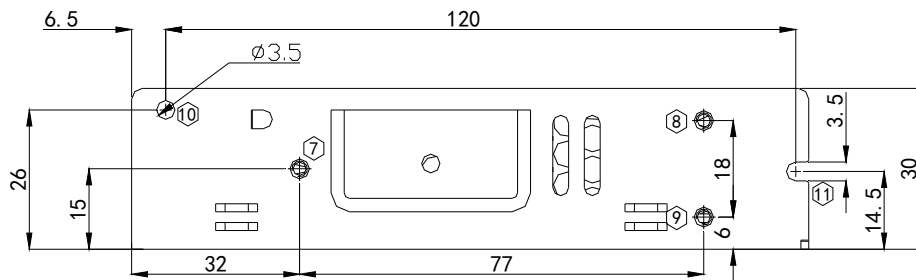
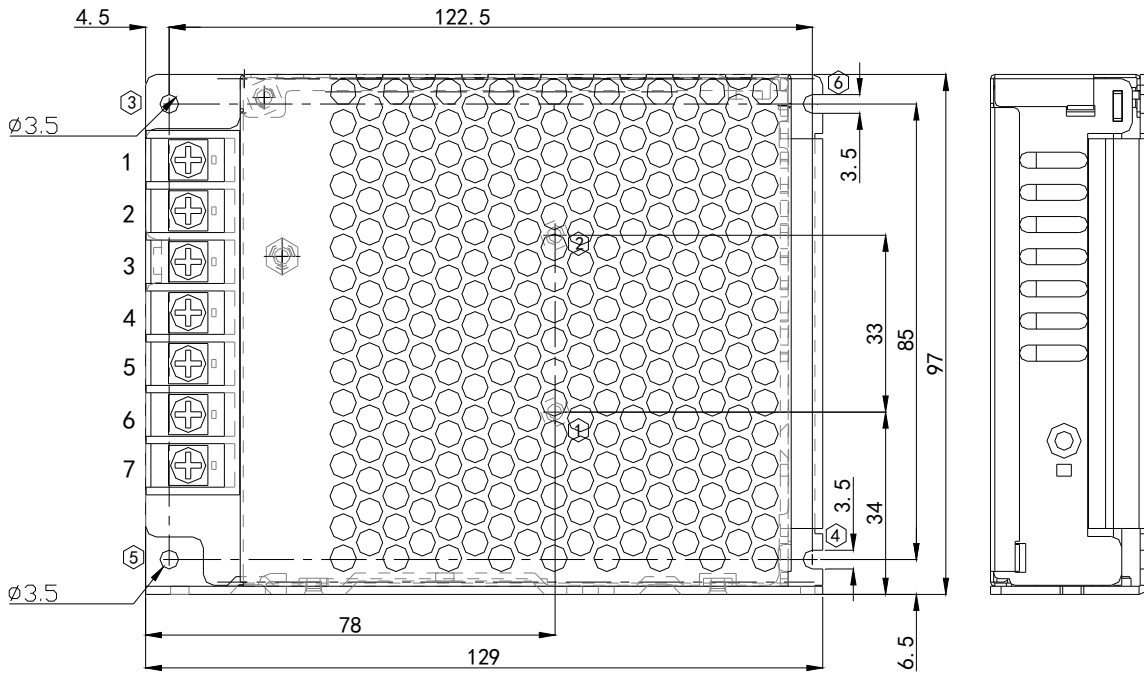
- Universal AC input: 90~ 264Vac
- Can bear 300Vac for 5s
- No load power consumption<0.5W
- High efficiency, long life and high reliability
- Output protections: OLP/OVP/SCP
- Wide operating ambient temperature (-30°C~70°C)
- Altitude up to 5000m
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- 1 U low profile
- 3 years warranty

**SPECIFICATION**

MODEL		LPD-100-5	LPD-100-12	LPD-100-15	LPD-100-24	LPD-100-36	LPD-100-48
OUTPUT	DC Output	5V	12V	15V	24V	36V	48V
	Rated Current	18A	8.5A	7A	4.5A	3A	2.3A
	Ripple and Noise (note1)	120 mV	150mV	150mV	200mV	200mV	200mV
	Voltage ADJ. Range	-10% ~ +10% of rated voltage					
	Voltage Accuracy	±1.0%					
	Line Regulation	±0.5%					
	Load Regulation	±1.0%					
	Set-up Time	≤500mS (230Vac/115Vac, Full load)					
	Hold up Time	≥20mS(230Vac, Full load) ≥10mS(115Vac, Full load)					
	Temperature Coefficient	±0.03%/°C					
Overshoot and Undershoot	<5.0%						
INPUT	Voltage Range Note 3	90Vac~264Vac					
	Frequency Range	47Hz-63Hz					
	Efficiency ( Typical) 230Vac input	86%	87%	88 %	90%	90.5%	91%
	AC Current (max.)	<1.9A@115Vac <1.2A@230Vac					
	Inrush Current (Typical)	<65A@230Vac Cold start					
	Standby power	<0.5W					
PROTECTION	Over Power	110%~180% rated power, hiccup mode, auto recovery					
	Over Load	110%~180% rated current, hiccup mode, auto recovery					
	Over Voltage	115%~150% rated voltage, constant voltage, auto recovery					
	Shorted Circuit	Long-term mode, auto recovery					
ENVIRONMENT	Operating amb. Temp. & Hum.	-30°C~70°C; 20%~90%RH No condensing (refer to the derating curve)					
	Storage Temp. & Hum.	-40°C~85°C; 10%~95%RH No condensing					
SAFETY & EMC (Note 4)	Safety Standards	Meet UL60950-1, TUV EN60950-1, EN61558-1/-2-16,CCC GB4943					
	Withstand Voltage	Primary-Secondary:3.75KVac/10mA.; Primary-PE:2.0KVac/10mA; Secondary-PE:0.5KVdc/10mA .					
	Leakage Current	Input—output:<0.25mA Input—PE:<0.75mA (@240Vac/63Hz)					
	Isolation Resistance	100M ohms					
	EMI Conduction&Radiation	Compliance to EN55022 Class B / FCC Part15 Class B					
	Harmonic Current	Compliance to EN61000-3-2, CLASS A					
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11					
OTHERS	MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25°C, Full load)					
	Dimension (L*W*H)	129×97×30mm					
	Packing	TBD					
	Cooling method	Cooling by free air flow					
NOTE	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. 3. The power supply is considered as a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies" on <a href="http://www.powerlid.com.cn">http://www.powerlid.com.cn</a> .						

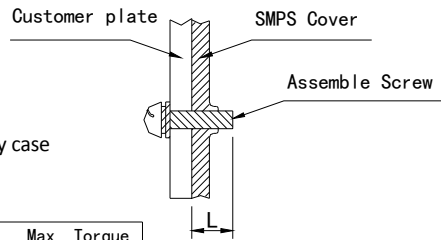
**Mechanical Specification**

Unit: mm



Mounting Position	Mounting Type	Mounting Position No.	Screw Type	Lmax	Mounting Torque (max)
Bottom Mounting	Fixing by screws	①—②	M3	4.0mm	6.5Kgf.cm (max)
		③—④	M3	4.0mm	
		⑤—⑥	M3	4.0mm	
Side Mounting	Fixing by screws	⑦—⑧	M3	4.0mm	6.5Kgf.cm (max)
		⑨—⑩	M3	4.0mm	

- 1, Dimensional Unit: mm
- 2, Unmarked Tolerance is GB/T 1804-m
- 3, Choose the best installation method.



Remarks: 1. For safety purpose, the length of screw inside the power supply case shall comply with the above table (refer the right drawing)

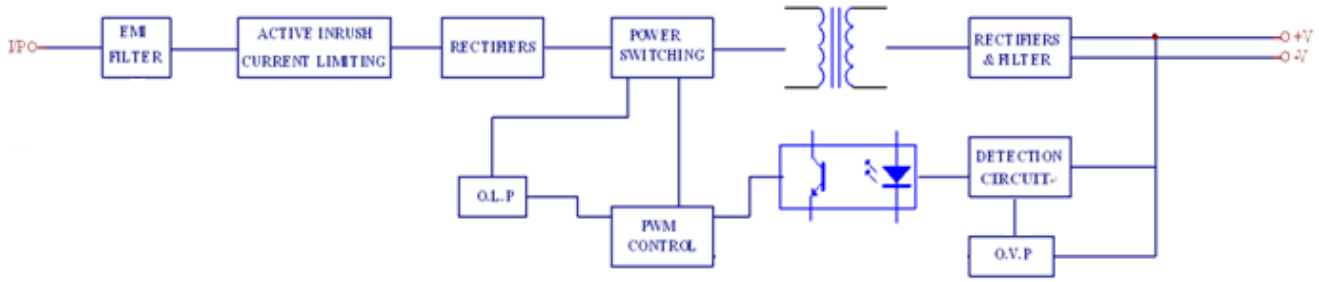
**1, Instruction of the AC Input Connectors**

Part number	Function	Connector	Requirement for Cables	Max. Torque
1	AC (L)	95 Terminal Block	22-12AWG	12Kgf.cm (max)
2	AC (N)			
3	⊖			

**2, Instruction of the DC Output Connectors**

Part number	Function	Connector	Requirement for Cables	Max. Torque
4/5	V-	95 Terminal Block	22-12AWG	12Kgf.cm (max)
6/7	V+			

■ Block Diagram



■ Derating Curve

