Features:

- High AC input (180-264Vac)
- Long life and High reliability
- High efficiency up to 89%
- Output protections: SCP/OPP/OLP
- Wide operating ambient temperature (-40℃~65℃)
- @-40C, PS can work normally
- Altitude up to 5000m

PCB with conformal coating

100% full load burn-in test

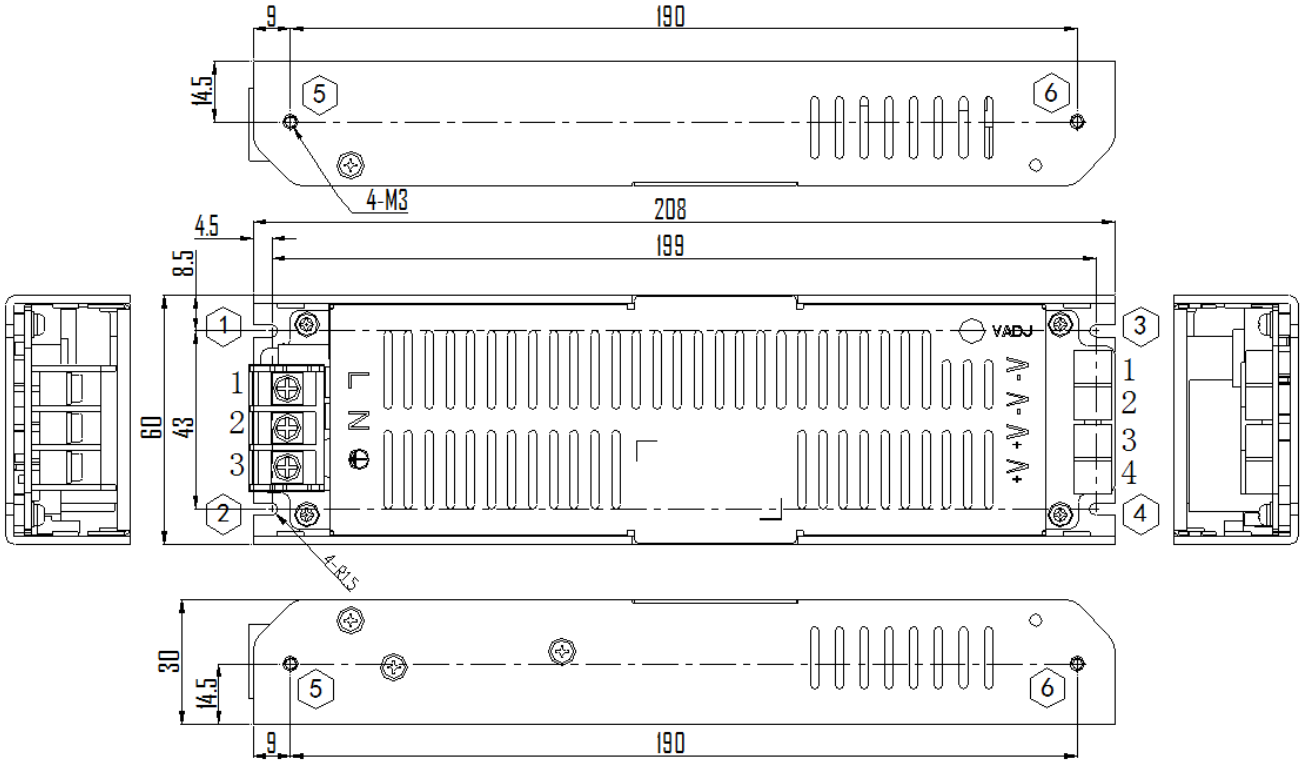
2 years warranty

SPECIFICATION

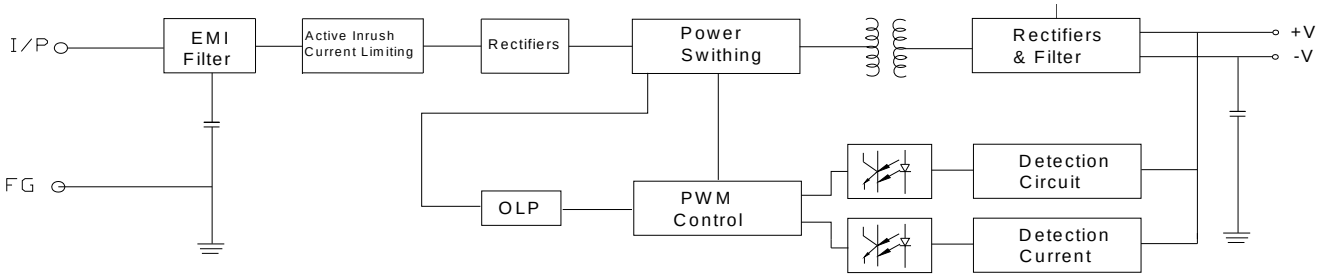
MODEL			VAT-H300S-5-60L
OUTPUT	DC Output		5V
	Rated Current		60A
	Current Range Note 1		0~60A
	Peak load		65A, last 100mS /220Vac
	Ripple and Noise Note 2	25~65℃	≤150mV
		0~25℃	≤200mV
	Voltage ADJ. Range		4.15~5.08V
	Voltage Accuracy		±2.0%
	Line Regulation		±0.5%
	Load Regulation		±2.0%
	Set-up Time		≤2S (220VAC input, Full load)
	Hold up Time		≥10mS (220VAC input, 80% load)
	Temperature Coefficient		±0.03%/℃
	Overshoot and Undershoot		<5.0%
INPUT	Voltage Range		180Vac~264Vac
	Frequency Range		47Hz~63Hz
	Efficiency (Typical)		89%(220Vac input, full load)
	AC Current (max.)		<3.5A
	Inrush Current (Typical)		<100A@220Vac Cold start
	Leakage Current		Input—output:<0.25mA Input—PG:<3.5mA
PROTECTION	Over Power		315~450W, hiccup mode, auto recovery
	Over Current		63~90A, hiccup mode, auto recovery
	Shorted Circuit		Long-term mode, auto recovery
ENVIRONMENT	Operating amb. Temp. & Hum.		-40℃~65℃; 20%~90%RH No condensing
	Storage Temp. & Hum.		-40℃~85℃; 10%~95%RH No condensing
SAFETY &EMC Note 3	Safety Standards		GB4943/ EN60950
	Withstand Voltage		Primary-Secondary:3.0KVac/10mA .Primary-PG:1.5KVac/10mA. Secondary-PG:0.5KVDC/10mA.
	Isolation Resistance		10M ohms
	EMS Immunity		Compliance to EN61000-4-2,3,4,5,6,8,11
OTHERS	MTBF (MIL-HDBK-217F)		More than 200,000Hrs (25℃, Full load)
	Dimension (L*W*H)		208*60*30mm
	Packing		TBD
	Cooling method		Free air convection
NOTE	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25℃ of ambient temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 10uF parallel capacitor. 3. The SPS is considered a component which will be installed into final equipment. The equipment must be re-confirmed that it still meets EMC directives.		

■ Mechanical Specification

Unit: mm



■ Block Diagram



■ Derating Curve