



### ■ Features:

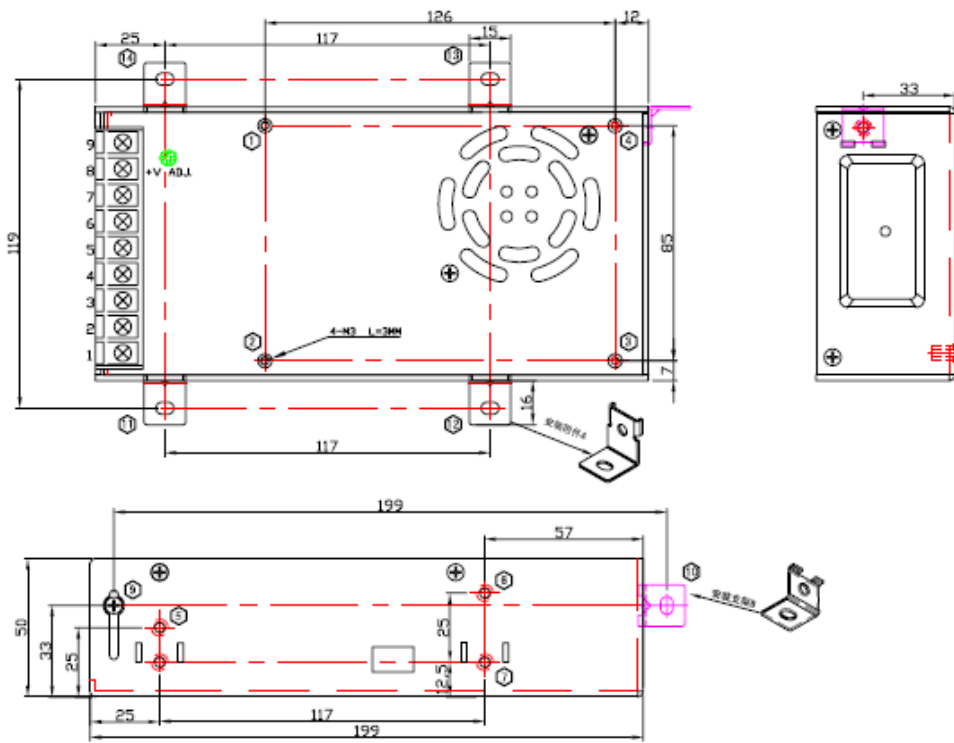
- High AC input (176-264Vac)
- High Efficiency, and High reliability
- Output protections: SCP/OVP/OPP/OLP
- Wide operating ambient temperature (-40°C ~65°C)
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- 1 year warranty

### SPECIFICATION

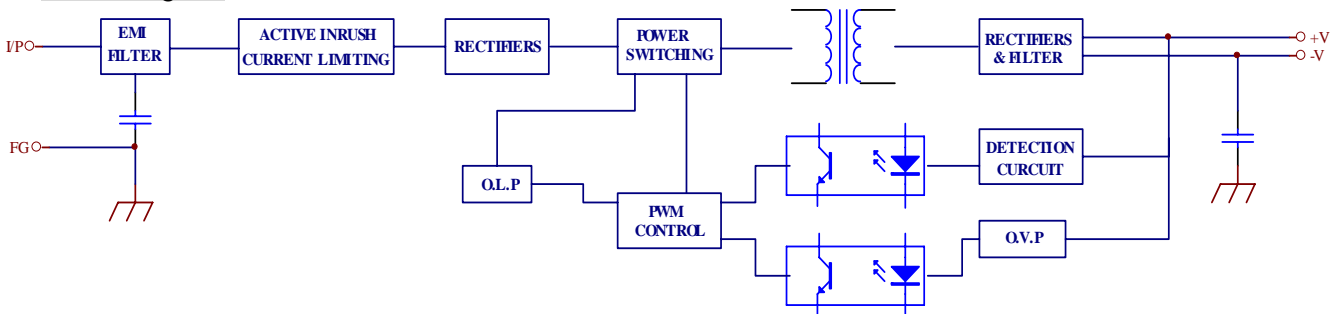
MODEL		VAT-H300-5	VAT-H350-12	VAT-H350-24
OUTPUT	DC Output	5V	12V	24V
	Rated Current	5.00-5.05V	29.17A	14.5A
	Current Range	Note 1 60A	0~29.17A	0~14.5A
	Ripple and Noise	Note 2 0~65°C 200mV	180mV	240mV
	Voltage ADJ. Range	±10% of rated output voltage		
	Voltage Accuracy	±2.0%	±1.0%	±1.0%
	Line Regulation	±0.5%	±0.5%	±0.5%
	Load Regulation	±2.0%	±1.0%	±1.0%
	Set-up Time	<2.0S (220Vac input, Full load)		
	Hold up Time	> 10mS(220Vac input, Full load)		
	Temperature Coefficient	±0.03%/°C		
	Overshoot and Undershoot	<5.0%		
INPUT	Voltage Range	176Vac~264Vac		
	Frequency Range	47Hz~63Hz		
	Efficiency ( Typical)	79.5%(220Vac input)	83.5%(220Vac input)	86%(220Vac input)
	AC Current (max.)	4A		
	Inrush Current (Typical)	50A@220Vac Cold start		
	Leakage Current	Input—output:<0.25mA Input—PG:<0.5mA		
PROTECTION	Over Power	105%~150% of rated output power, auto recovery		
	Over Current	105%~150% of rated output current, auto recovery		
	Over Voltage	105%~150% of rated output voltage, auto recovery		
	Shorted Circuit	Long-term mode, auto recovery		
ENVIRONMENT	Operating amb. Temp. & Hum.	-40°C~65°C; 20%~90RH No condensing		
	Storage Temp. & Hum.	-40°C~85°C; 10%~95RH No condensing		
SAFETY & EMC Note 3	Safety Standards	GB4943-2001; EN60950-1: 2006		
	Withstand Voltage	Primary-Secondary:3.0KVac; ≤10mA .Primary-PG:1.5KVac; ≤10mA. Secondary-PG:0.5KVDC;≤10mA.		
	Isolation Resistance	≥100M ohms		
	EMI Conduction&Radiation	/		
	Harmonic Current	/		
OTHERS	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11;ENV50204,light industry level,criteriaA		
	MTBF (MIL-HDBK-217F)	More than 100,000Hrs (25°C, Full load)		
	Dimension (L*W*H)	199×99×50mm		
	Packing	12pcs/carton GW:11.40KGS		
NOTE	Cooling method	Fored air cooling		
		<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature.</li> <li>2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF &amp; 10uF parallel capacitor.</li> <li>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.</li> <li>4. If you need fixture A or B for install purpose,please contact our sales.</li> </ol>		

**Mechanical Specification**

Unit: mm



Pin No.	Assignment
1	AC-L
2	AC-N
3	F.G
4/5/6	DC output -V
7/8/9	DC output +V

**Block Diagram**

**Derating Curve**
