

## ■ Features:

- ✓ High AC input
- ✓ High Efficiency, and High reliability
- ✓ Output protections: SCP/OVP/OPP/OLP
- ✓ Wide operating ambient temperature (-40℃~65℃)
- ✓ All using 105℃ long life electrolytic capacitors.
- ✓ 100% full load burn-in test
- ✓ 3 years warranty

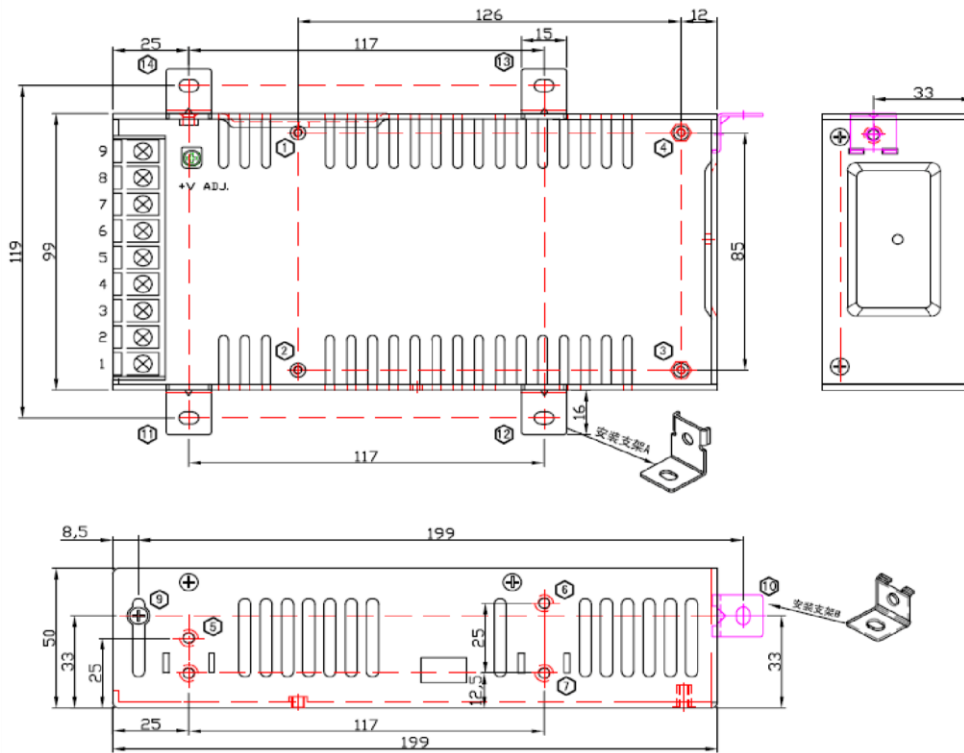


## ■ SPECIFICATION

MODEL			VAT-H200-5	VAT-H200-12	VAT-H200-24
OUTPUT	DC Output		5V	12V	24V
	Rated Current		40A	16.7A	8.3A
	Current Range     Note 1		0-40A	0~16.7A	0~8.3A
	Ripple and Noise Note 2	0~65℃	200mV	120mV	120mV
	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		<2.5S (220Vac input, Full load)		
	Hold up Time		>20mS(220Vac input, Full load)		
	Temperature Coefficient		±0.03%/℃		
	Overshoot and Undershoot		<5.0%		
INPUT	Voltage Range		176Vac~264Vac		
	Frequency Range		47Hz~63Hz		
	Efficiency ( Typical)		81%(220Vac input)	85%(220Vac input)	87%(220Vac input)
	AC Current (max.)		2.5A		
	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℃    ℃~65;   20%~90%RH   No condensing		
	Storage Temp. & Hum.		-40℃    ℃~85;   10%~95%RH   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		/		
	EMS Immunity		Compliance to EN61000-4-2,3,4,5,6,8,11;ENV50204,light industry level,criteriaA		
OTHERS	MTBF (MIL-HDBK-217F)		More than 100,000Hrs (25℃, Full load)		
	Dimension (L*W*H)		199×99×50mm		
	Packing		12pcs/carton    GW:9.2KGS		
	Cooling method		Cooling by 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.				

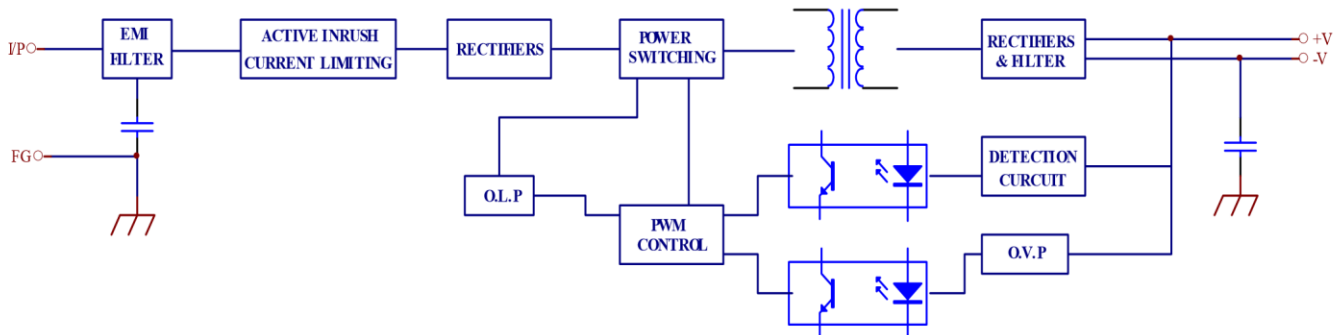
## Mechanical Specification

Unit: mm



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

