


**HAOFeatures:**

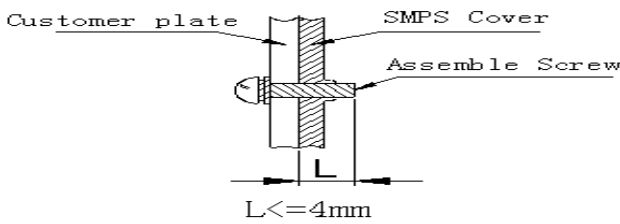
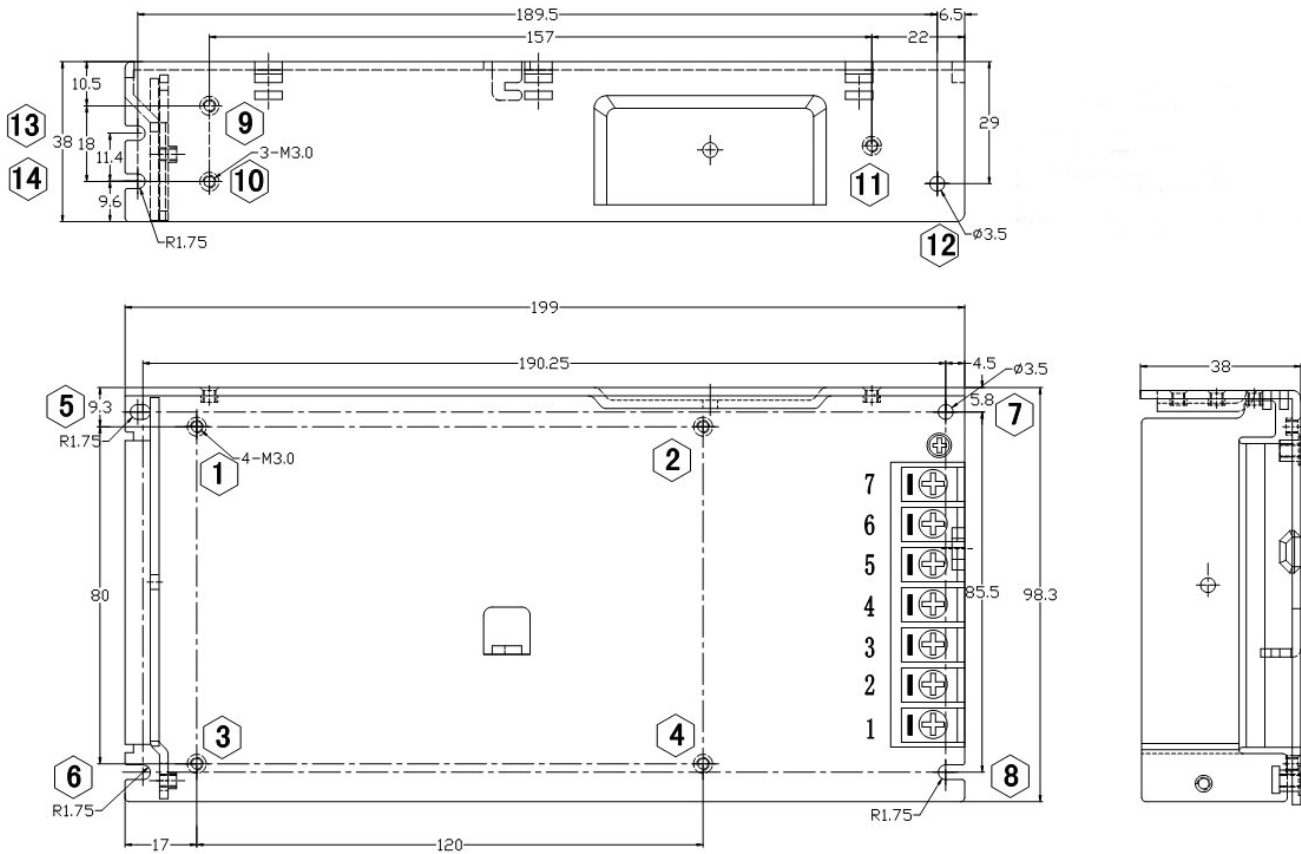
- AC input selectable by switch (115Vac/230Vac)
- High efficiency, long life and high reliability
- Withstand 300Vac surge input for 5s
- Output protections: OPP/OLP/SCP
- Wide operating ambient temp (-20°C~65°C)
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- Altitude up to 5000m
- Suitable for critical applications
- 2 years warranty

**SPECIFICATION**

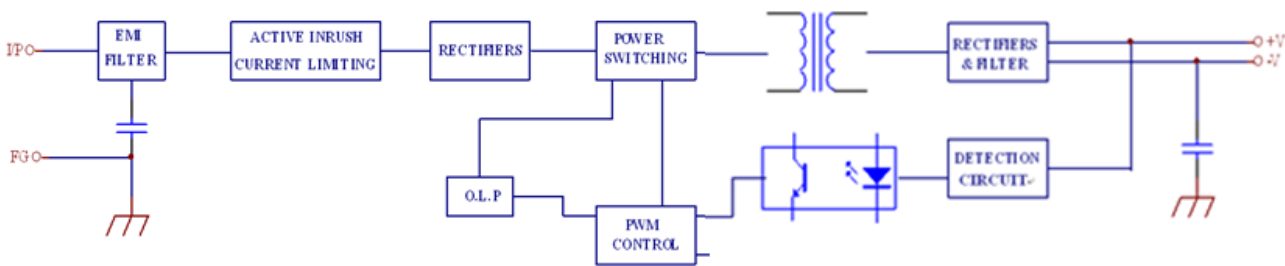
MODEL		ABS-150-24	ABS-150-12	
OUTPUT	DC Output	24V	12V	
	Rated Current	6.25A	12.5A	
	Current Range	Note 1 0~6.25A	0~12.5A	
	Ripple and Noise	0~70°C	<120mV	
		Note 2 -20°C	<200mV	
	Voltage ADJ. Range	22.8~27.6V	11.4~13.2V	
	Voltage Accuracy	±1.0%		
	Line Regulation	±0.5%		
	Load Regulation	±1.0%		
	Set-up Time	≤1.2S (230Vac input, Full load)		
	Hold up Time	≥20mS(230Vac input, Full load)	≥10mS(120Vac input, Full load)	
	Temperature Coefficient	±0.03%/°C		
Overshoot and Undershoot	<5.0%			
INPUT	Voltage Range	90Vac~132Vac/176Vac~264Vac		
	Frequency Range	47Hz~63Hz		
	Efficiency ( Typical ) @220Vac	≥87%	≥84%	
	AC Current (max.)	≤4.0 A @ 110Vac	≤2.0A @ 220Vac	
	Inrush Current (Typical)	≤60A@220Vac Cold start		
	Leakage Current	Input—output:<0.25mA ; Input—PG:<3.5mA (Input 264Vac, 63Hz)		
PROTECTION	Over Load	6.88~9.38A	13.75~18.75A	
		Protection type: Constant power, auto recovery		
	Over power	165~225W	165~225W	
		Protection type: Constant power, auto recovery		
Shorted Circuit	Long-term mode, auto recovery			
ENVIRONMENT	Operating amb. Temp. & Hum.	-20°C~65°C ; 20%~90%RH No condensing		
	Storage Temp. & Hum.	-40°C~85°C ; 10%~95%RH No condensing		
SAFETY & EMC Note 3	Safety Standards	UL60950-1 2 <sup>nd</sup> Ed; IEC 60950-1:2005(2 <sup>nd</sup> Ed) ;EN60950-1:2006		
	Withstand Voltage	Primary-Secondary:3.0KVac; ≤10mA .Primary-PG:1.5KVac; ≤10mA. Secondary-PG:0.5KVDC; ≤10mA.		
	Isolation Resistance	10M ohms		
	EMC Emission	Compliance to EN55022 Class B/FCC Part15 B		
	Harmonic Current	Compliance to EN61000-3-2, Class A		
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; heavy industry level		
OTHERS	MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25°C, Full load)		
	Dimension (L*W*H)	199×98.3×38mm		
	Packing	20pcs/CNT, 15Kgs/CTN, 0.04cbm		
	Cooling method	Cooling by free air convection		
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 & 10uF 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.powerld.com.cn">http://www.powerld.com.cn</a> .			

**Mechanical Specification**

Unit: mm

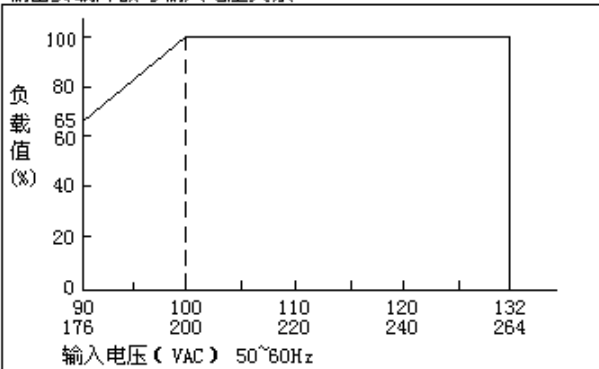


**Block Diagram**



**Derating Curve**

输出负载降额与输入电压关系



输出负载降额与环境温度关系

