



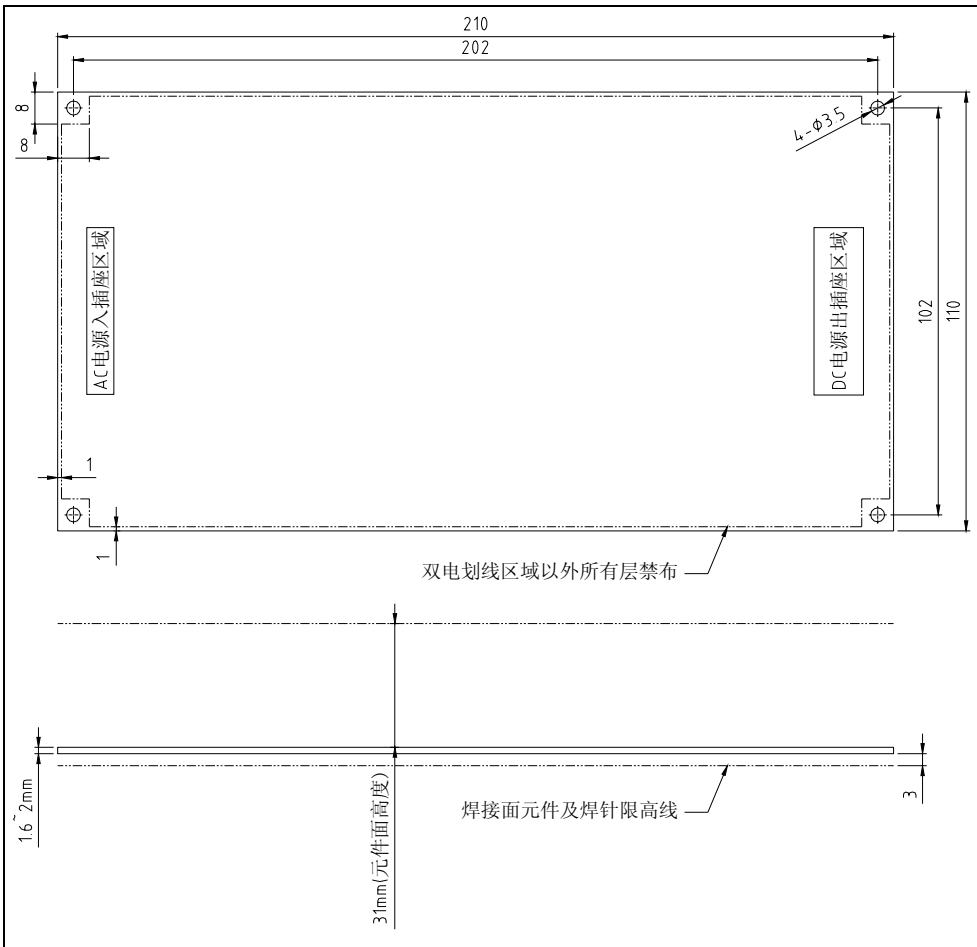
- Universal AC input/ Full range (90~286Vac)
- Built-in active PFC function, PF>0.95
- High Efficiency, and High reliability
- Output protections: OLP/OVP/SCP/OTP
- Wide operating ambient temperature (-30℃~55℃)
- All using 105℃ long life electrolytic capacitors.
- 100% full load burn-in test
- Application for telecommunication, <1U height
- 3 years warranty

**SPECIFICATION**

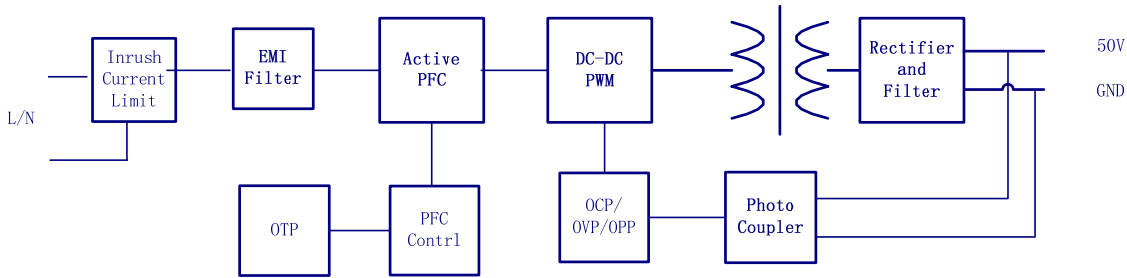
MODEL		POE-H300S48
OUTPUT	DC Output	50V
	Rated Current	6A
	Current Range	0~8A
	Ripple and Noise	<200mV @-30℃~55℃
	Voltage ADJ. Range	46~54V
	Voltage Accuracy	±1%
	Line Regulation	±0.5%
	Load Regulation	±0.5%
	Set-up Time	≤6.0S @220Vac input, full load
	Hold up Time	≥20mS @220Vac input, full load
	Temperature Coefficient	±0.02%/℃
	Leakage current	≤3.5mA @ 240Vac/50Hz
Overshoot and Undershoot	≤5.0%	
INPUT	Voltage Range	90Vac~286Vac
	Frequency Range	47Hz~63Hz
	Set up voltage	154Vac / Full Load @-30~55℃; 90Vac / 10% Full Load@25℃
	Power Factor(Typical)	≥0.95@220VAC rated load
	Efficiency ( Typical)	≥88% @ 220Vac rated load
	AC Current (max.)	≤3.0A @ 220Vac
Inrush Current (Typical)	≤5.0A @ 286Vac / Full Load / Cold start	
PROTECTION	Over Load	8A~10A constant current
	Over Voltage	58V - 63V auto recovery
	Over Power	400W-500W,constant current
	Over temperature	95℃±5℃(detect on heatsink of power transistor);shut down,auto recovery after the temperature goes down
	Short Circuit	Long-term mode, auto recovery
ENVIRONMENT	Operating amb. Temp. & Hum.	-30℃~55℃; 5%~90%RH No condensing(refer to the derating curve)
	Storage Temp. & Hum.	-40℃~70℃; 5%~95%RH
SAFETY & EMC (Note 3)	Safety Standards	IEC/EN/UL/CSA 60950 GB 4943
	Withstand Voltage	Primary-Secondary:3.0KVac;≤10mA;Primary-PG:1.5KVac;≤10mA.Secondary-PG:0.5KVDC;≤10mA.
	Isolation Resistance	>100M ohms
	EMI Conduction&Radiation	Compliance to EN55022 Class B
	Harmonic Current	Compliance to EN61000-3-2 Class D
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11 criteria A	
OTHERS	MTBF (MIL-HDBK-217F)	200,000Hrs AT 25℃, MIL-217 Method 2 Components Stress Method
	Dimension (L*W*H)	210mm*110mm*31mm
	Packing	24pcs / 16.9Kg / 527*402.6*294mm
	Cooling method	Free air cooling
NOTE	1. All parameters NOT specially mentioned are measured at 500Vdc, Humidity 65%RH and 25℃ 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 SPS is considered a component which will be installed into final equipment. The equipment must be re-confirmed that it still meets EMC directives. 4. When 90Vac input,output power derating 50%	

**Mechanical Specification**

Unit: mm



**Block Diagram**



**Derating Curve**

