


■ Features:

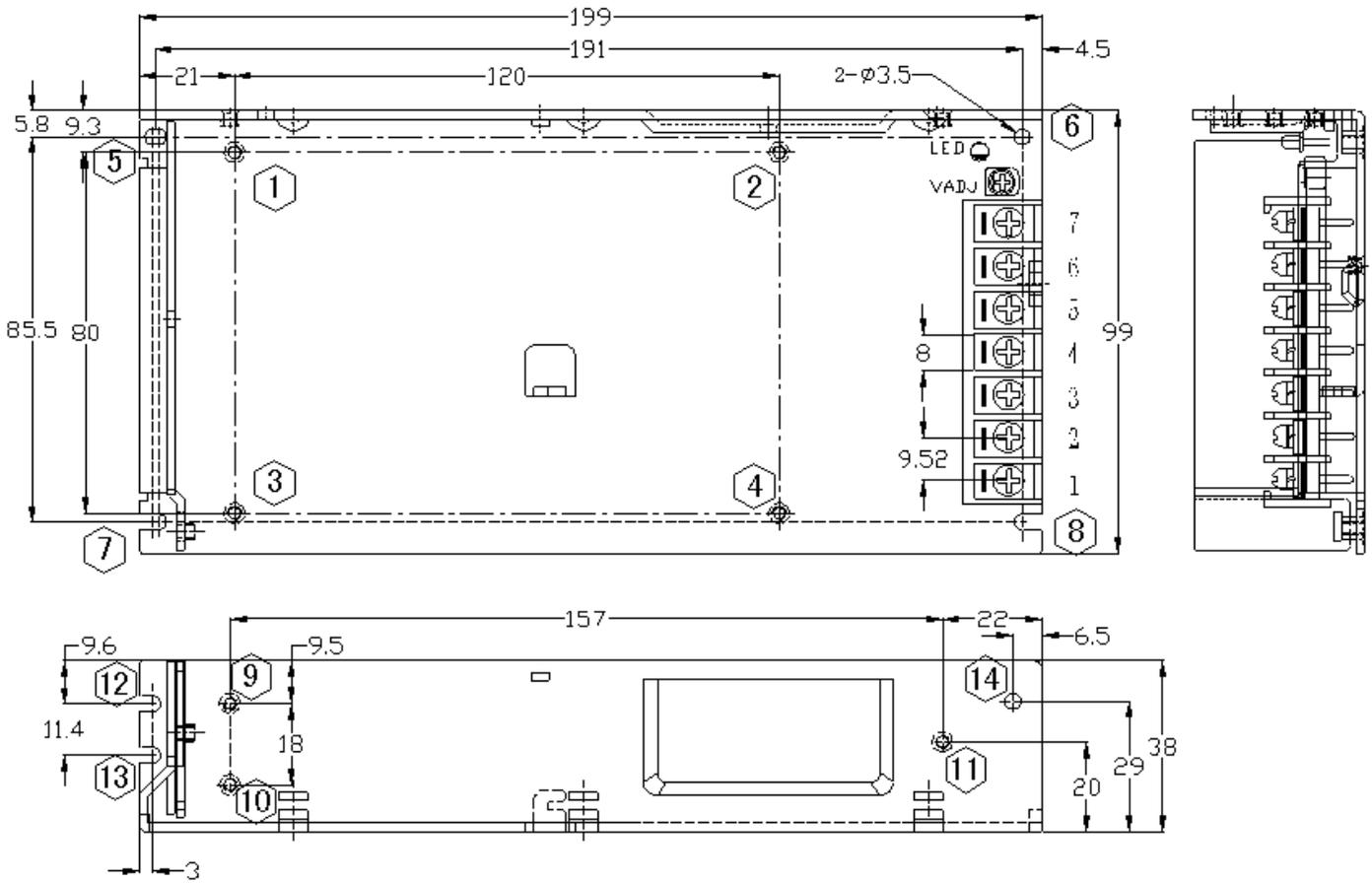
- High AC voltage input 176~264Vac
- Output protections: SCP/OLP
- High Efficiency, and High reliability
- Wide operating ambient temperature: -25℃~50℃
- All using 105℃ long life electrolytic capacitors.
- 100% full load burn-in test
- 2 years warranty

SPECIFICATION

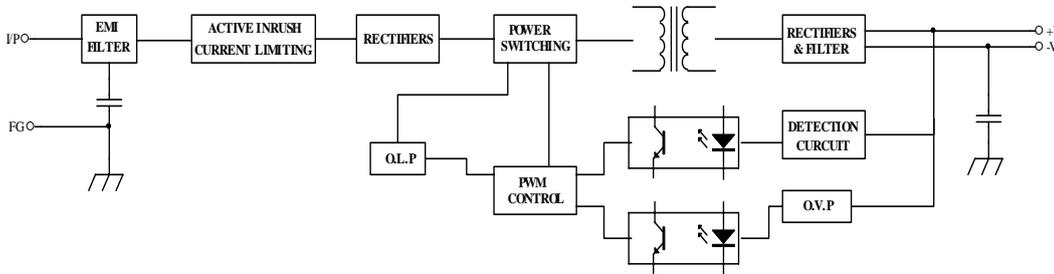
MODEL		GST-H150S8.5-M	GST-H150S12-M	GST-H150S24-M	GST-H150S28-M	GST-H150S36-M	GST-H150S48-M	
OUTPUT	DC Output	8.5V	12V	24V	28V	36V	48V	
	Rated Current	17.5A	12.5A	6.0A	5.5A	4.0A	3.0A	
	Current Range	Note 1	0~17.5A	0~12.5A	0~6A	0~5.5A	0~4.0A	0~3.0A
	Ripple and Noise	0 ≤ Ta ≤ 50℃	≤100mVpp	≤120mVpp	≤240mVpp	≤280mVpp	≤360mVpp	≤480mVpp
		Note 2 -25 ≤ Ta ≤ 0	≤200mVpp	≤400mVpp	≤480mVpp	≤580mVpp	≤720mVpp	≤960mVpp
	Voltage ADJ. Range	7.7~9.0V	10.8~13.2V	22.0~26.0V	25.0~31.0V	32.0~40.0V	47.0~62.0V	
	Voltage Accuracy	±2.0%						
	Line Regulation	±0.5%						
	Load Regulation	±2.0%						
	Set-up Time	≤4S(220Vac input, Full load)						
	Hold up Time	≥16mS(220Vac input, Full load)						
Temperature Coefficient	±0.03%/℃							
Overshoot and Undershoot	<5.0%							
INPUT	Voltage Range	176-264Vac						
	Frequency Range	47Hz~63Hz						
	Efficiency (Typical)@25℃	≥82%@Typ.	≥84%@Typ.	≥86%@Typ.	≥86%@Typ.	≥87%@Typ.	≥87%@Typ.	
	AC Current (max.)	<2.5A						
	Inrush Current (Typical)	<50A@220Vac Cold start						
	Leakage Current	Input—output:<0.25mA Input—PG:<3.5mA						
PROTECTION	Over Load	130~250% of rated output current, constant power						
	Over power	180~300W, constant power						
	Short Circuit	Long-term mode, auto recovery						
ENVIRONMENT	Operating amb. Temp. & Hum.	-25℃~50℃; 20%~90%RH No condensing;(refer to the derating curve)						
	Storage Temp. & Hum.	-40℃~85℃; 10%~95%RH No condensing						
SAFETY & EMC (Note3)	Safety Standards	GB4943/EN60950						
	Withstand Voltage	Primary-Secondary:3.0KVac;≤10mA.Primary-PG:1.5KVac;≤10mA. Secondary-PG:0.5KVDC;≤10mA.						
	Isolation Resistance	100M ohms						
	EMS Immunity	Compliance to EN61000-4-2,4,5,8,11;						
OTHERS	MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25℃, Full load)						
	Dimension (L*W*H)	199×99×38mm						
	Packing	20PCS/CTN, 15.2kgs, 0.053CBM						
	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 & 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.							

Mechanical Specification

Unit: mm



Block Diagram



Derating Curve

