新星 POWERLD

150Watts Dual Output CMG-H150D5G+12-M

Features:

- High AC voltage input (176~264Vac)
- High Efficiency, and High reliability
- Output protections: SCP/OVP/OPP/OLP
- Wide operating ambient temperature (-25℃~65℃)
- All using 105℃ long life electrolytic capacitors.
- 100% full load burn-in test
- 2 years warranty
- Isolated Dual Outputs

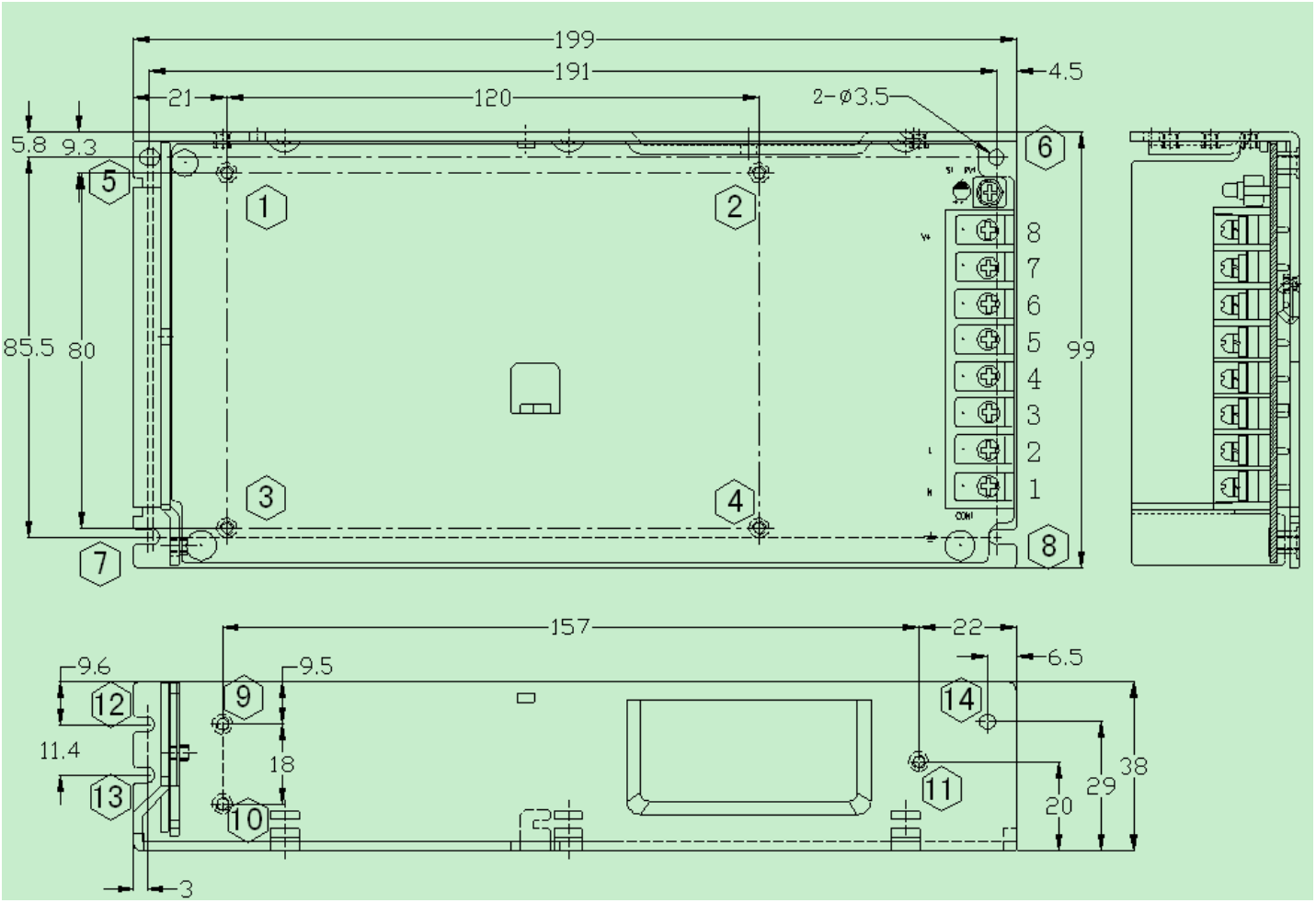
SPECIFICATION

MODEL			CMG-H150D5G+12-M	
OUTPUT	DC Output		V1	V2
			5V	12V
	Rated Current		10A	8A
			1~10A	0.8~8A
	Ripple and Noise Note2	0~65℃	≤50mV	≤120mV
		-25℃	≤100mV	≤240mV
	Voltage ADJ. Range		4.6~5.4V	/
	Voltage Accuracy		±1.0%	±10.0%
	Line Regulation		±0.5%	±1.0%
	Load Regulation		±3.0%	±10.0%
	Set-up Time		＜1.5S (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)		75%	
	AC Current (max.)		<1.9A	
	Inrush Current (Typical)		<50A@220Vac Cold start	
	Leakage Current		Input—output:<0.25mA Input—PG:<3.5mA	
PROTECTION	Over Power		175~225W, Hiccup mode, auto recovery	
	Over Current		V1: 11~22A, hiccup mode, auto recovery	
	Over Voltage		V1: 5.25~7.5V, Hiccup mode, auto recovery	
	Shorted Circuit		Long-term mode, auto recovery	
ENVIRONMENT	Operating amb. Temp. & Hum.		-25℃~65℃; 20%~90%RH No condensing	
	Storage Temp. & Hum.		-30℃~85℃; 10%~95%RH No condensing	
SAFETY &EMC (Note 5)	Safety Standards		GB4943/EN60950	
	Withstand Voltage		Primary-Secondary: 3.0KVac/10mA ; Primary-PG:1.5KVac/10mA. Secondary-PG: 0.5KVDC/10mA. Output V1—V2: 0.5KVDC/10mA. Test time:1 min	
	Isolation Resistance		10M ohms	
	EMI Conduction&Radiation		Compliance to EN55022 Class B	
	Harmonic Current		Compliance to EN61000-3-2, Class A	
	EMS Immunity		Compliance to EN61000-4-2,3,4,5,6,8,11;	
OTHERS	MTBF (MIL-HDBK-217F)		More than 200,000Hrs (25℃, Full load)	
	Dimension (L*W*H)		199×99×38mm	
	Packing		20PCS/CTN, 15KGS, 0.04CBM	
	Cooling method		Cooling by free air convection	

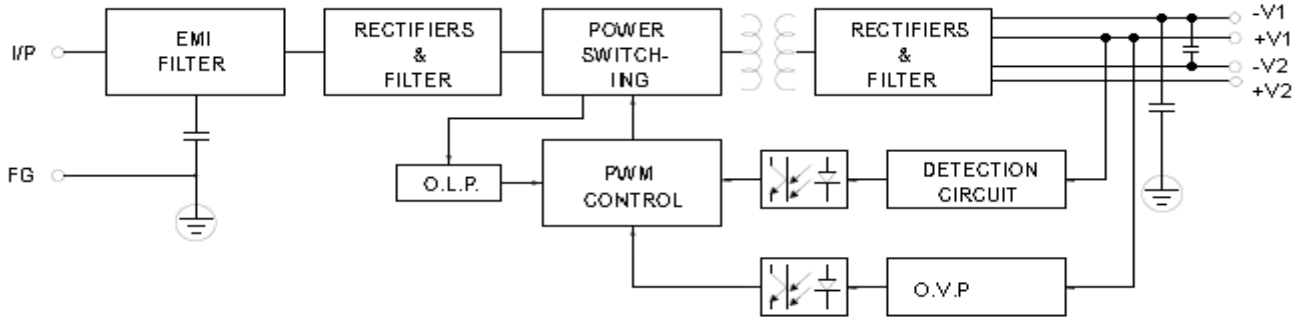
NOTE	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25℃ of ambient temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. 3. The power supply is considered as a component which will be 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 http://www.powerld.com.cn.

■ Mechanical Specification

Unit: mm Tolerance: ±1mm



■ Block Diagram



■ Derating Curve