



■ Features:

- High Efficiency, and High reliability
- Output protections: SCP/OVP/OPP/OLP
- Wide operating ambient temperature (-10°C -50°C)
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- 2 years warranty
- Isolated Dual Outputs



SPECIFICATION

MODEL		CMG-H150D12G+24	CMG-H150D24G+12	
OUTPUT	DC Output	V1	12.0V	24.0V
		V2	24.0V	12.0V
	Rated Current	V1	5A	6A Note 2
		V2	6A Note 1	5A
	Current Range Note 3	V1	0.5-5.0A	0-6.0A
		V2	0.6-6.0A	0-5.0A
	Ripple and Noise Note4 0-65°C	V1	120mV	240mV
		V2	240mV	120mV
	Ripple and Noise -25-0°C	V1	240mV	480mV
		V2	480mV	240mV
	Voltage ADJ. Range	11.4V-12.6V		22.8V-25.0V
	Voltage Accuracy	V1	±1.0%	±1.0%
		V2	±10.0%	±10.0%
	Line Regulation	V1	±0.5%	
V2		±1.0%		
Load Regulation	V1	±3.0%		
	V2	±10.0%		
Set-up Time	<1.0S (230Vac input, Full load)			
Hold up Time	> 20mS(230Vac input, Full load)			
Temperature Coefficient	±0.03%/°C			
Overshoot and Undershoot	<5.0%			
INPUT	Voltage Range	176Vac-264Vac		
	Frequency Range	47Hz-63Hz		
	Efficiency (Typical)	80%	80%	
	AC Current (max.)	2.0A/176VAC		
	Inrush Current (Typical)	50A@220Vac Cold start		
Leakage Current	Input—output:<0.25mA Input—PG:<3.5mA			
PROTECTION	Over Power	105%-150% of rated output current, auto recovery		
	Over Current	V1	110%-220%	110%-150%
			Auto recovery	Auto recovery
	Over Voltage	V1: 110%-150% of rated output voltage, auto recovery		
Shorted Circuit	Long-term mode, auto recovery			
ENVIRONMENT	Operating amb. Temp. & Hum.	-10°C~50°C; 20%~90% RH No condensing		
	Storage Temp. & Hum.	-30°C~85°C; 10%~95% RH No condensing		
SAFETY & EMC (Note 5)	Safety Standards	GB4943-2001; EN60950-1: 2006		
	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	≥100M ohms		
	EMI Conduction&Radiation	Compliance to EN55022(CISPR22)ClassB		
	Harmonic Current	Compliance to EN61000-3-2,17625.1-2003		

	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°C, Full load)
	Dimension (L*W*H)	199×98×40mm
	Packing	0.75Kg/pcs,20PCS/CTN, 15KGS.
	Cooling method	Cooling by free air convection
NOTE	<ol style="list-style-type: none"> 1. CMG-H150D12G+24 Total output power can't exceed 150W, Label is marked by the Max current. Recommend the loading is 12V/5A,24V/3.75A. 2. CMG-H150D24G+12Total output power can't exceed 150W, Label is marked by the Max current. Recommend the loading is 24V/5A,12V/3.0A. 3. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature. 4. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. 5. 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

