



#### ■ Features:

- Universal AC input/ Full range
- High Efficiency, and High reliability
- Output protections: SCP/OVP/OPP/OLP
- Wide operating ambient temperature (-25°C ~65°C)
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- 2 year warranty
- Isolated Dual Output

#### SPECIFICATION

MODEL		CMG-H150D5G+12	CMG-H150D5G+24	CMG-H150D12G+24	CMG-H150D24G+12	
OUTPUT	DC Output	V1	5.0V	5.0V	12.0V	24.0V
		V2	12.0V	24.0V	24.0V	12.0V
	Rated Current	V1	20A	4A	5A	6A Note 1
		V2	1A	5A	6A Note 2	5A
	Current Range Note 3	V1	2~20A	0.4~4A	0.5~5.0A	0~6.0A
		V2	0.1~1.0A	0.5~5A	0.6~6.0A	0~5.0A
	Ripple and Noise Note4 0~65°C	V1	120mV	120mV	120mV	240mV
		V2	120mV	240mV	240mV	120mV
	Ripple and Noise -25~0°C	V1	240mV	240mV	240mV	480mV
		V2	240mV	480mV	480mV	240mV
	Voltage ADJ. Range		4.9V~5.75V	4.75V~5.25V	11.4V~12.6V	22.8V~25.0V
	Voltage Accuracy	V1	±1.0%	±1.0%	±1.0%	±1.0%
		V2	±15.0%	±10.0%	±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)		72%	75%	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%~150%	110%~220%	110%~220%	110%~150%
			Auto recovery	Auto recovery	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.		-25°C~65°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"> <li>1. CMG-H150D512G+24 Total output power is not exceeding 150W, Label was marked by the Max current. Recommend the loading is 12V/5A,24V3.75A.</li> <li>2. CMG-H150D524G+12Total output power is not exceeding 150W, Label was marked by the Max current. Recommend the loading is 24V/5A,12V3.0A.</li> <li>3. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature.</li> <li>4. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF &amp; 47uF parallel capacitor.</li> <li>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.</li> </ol>	

■ Mechanical Specification

Unit: mm

