


**■ Features:**

- Full AC input:176VAC~265VAC
- 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 year warranty

**SPECIFICATION**

MODEL		GZM-H100D5+12		
OUTPUT	Output Number	V1	V2	
	DC Output	5.0V	12.0V	
	Rated Current	10.0A	4.0A	
	Current Range	Note 1 0 ~10.0A	0 ~4.0A	
	Ripple and Noise	0~65℃	120mV	120mV
		Note 2 -25~0℃	240mV	240mV
	Voltage Accuracy	±1.0%	±10.0%	
	Line Regulation	±0.5%	±1.0%	
	Load Regulation	±3.0%	±10.0%	
	Set-up Time	<1.0S (220Vac input, Full load)		
	Hold up Time	>20mS(220Vac input, Full load)		
	Temperature Coefficient	±0.03%/℃	±0.03%/℃	
Overshoot and Undershoot	<5.0%			
INPUT	Voltage Range	176Vac~264Vac		
	Frequency Range	47Hz-63Hz		
	Efficiency ( Typical)	75%@220Vac,		
	AC Current (max.)	2.0A		
	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% of rated output current, auto recovery		
	Over Voltage	V1:105%~150% of rated output voltage, auto recovery		
	Shorted Circuit	Long-time; auto recovery		
ENVIRONMENT	Operating amb.Temp.& Hum.	-25℃~65℃; 20%~90%RH No condensing (refer to the output de-rating curve)		
	Storage Temp. & Hum.	-30℃~85℃; 10%~95%RH No condensing		
SAFETY & EMC (Note 3)	Safety Standards	GB4943-2001; EN60950-1: 2006		
	Withstand Voltage	Primary-Secondary:1.5KVac;≤10mA.Primary-PG:1.5KVac;≤10mA.Secondary-PG:0.5KVDC;≤10mA.		
	Isolation Resistance	≥100M ohms		
	EMI Conduction&Radiation	Compliance to EN55022(GB9254)ClassB		
	Harmonic Current	Compliance to EN61000-3-2,ClassA		
	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 200,000Hrs (25℃, Full load)		
	Dimension (L*W*H)	199×98×40mm		
	Cooling method	Cooling by free air convection		
NOTE	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at rated input, rated load and 25℃ of ambient temperature.</li> <li>2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF &amp; 10uF parallel capacitor.</li> <li>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.</li> </ol>			

■ Mechanical Specification

