



Features:

- Universal AC input range(90~264Vac)
- DC input range(127~370Vdc)
- Efficiency up to 85%
- Built-in current limiting circuit
- Output protections: OVP/OLP/SCP
- Wide operating ambient temp (-20°C~50°C)
- Can be installed on TS-35/7.5 or TS-35/15
- Cooling by free air convection
- 100% full load burn-in test



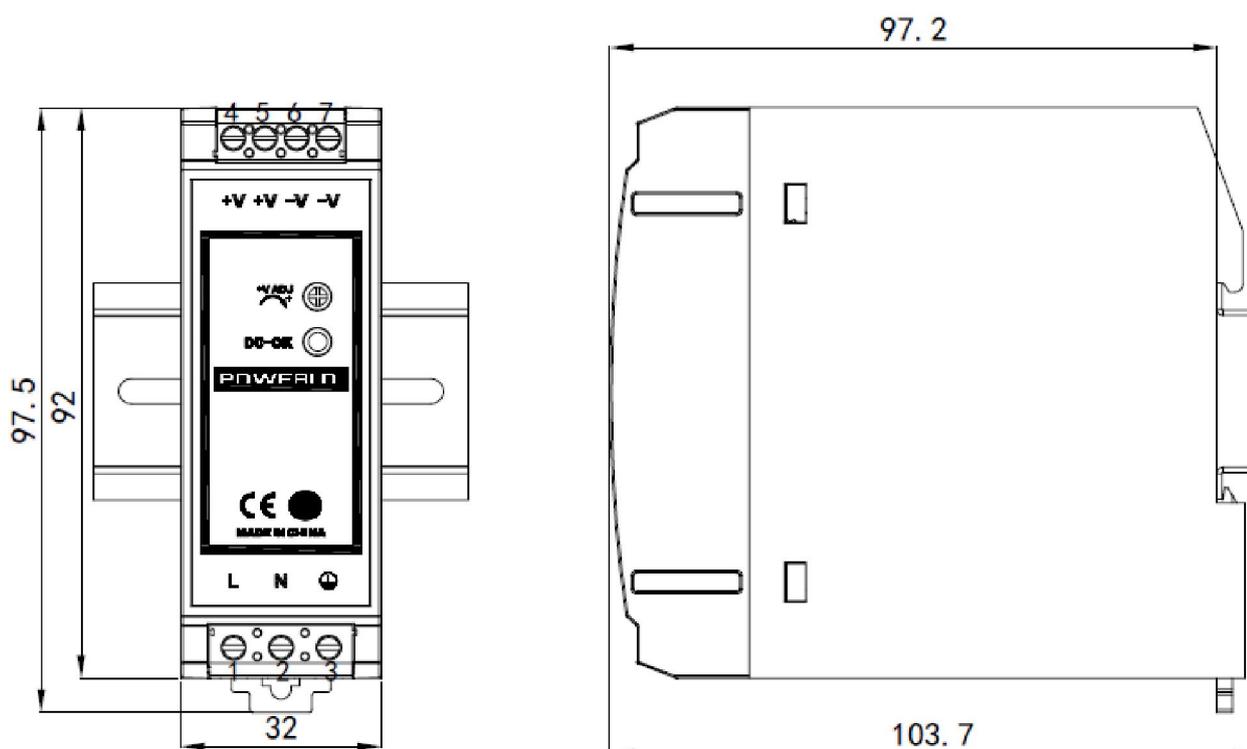
SPECIFICATION

MODEL		DG-30S-12	DG-30S-24	
OUTPUT	DC Output	12V	24V	
	Rated Current	2.5A	1.25A	
	Current Range Note 1	0~2.5A	0~1.25A	
	Ripple and Noise Note 2	10 $T_a \le 50^\circ C$	$\le 50mV$	
		-20 $T_a \le 10^\circ C$	$\le 100mV$	
	Voltage ADJ. Range	12~14V	24~28V	
	Voltage Accuracy	$\pm 1.0\%$		
	Line Regulation	$\pm 0.5\%$		
	Load Regulation	$\pm 1.0\%$		
	Set-up Time	<math>< 1500mS</math>(230Vac input, Full load)		
	Hold up Time	$\ge 20mS</math>(230Vac input, Full load)$		
	Temperature Coefficient	$\pm 0.03\%/^\circ C$		
Overshoot and Undershoot	<math>< 5.0\%</math>			
INPUT	Voltage Range	90Vac~264Vac		
	Frequency Range	47Hz~63Hz		
	Power Factor (typical)	/		
	Efficiency (Typical)	83%(230Vac input, Full load)	85%(230Vac input, Full load)	
	AC Current (max.)	<math>< 0.8A</math>		
	Inrush Current (Typical)	<math>< 45A</math>/230Vac Cold start	<math>< 50A</math>/230Vac Cold start	
PROTECTION	Over Load	120%~150% of rated current, Hiccup mode, auto recovery		
	Over voltage	15.4~16.8V	28.8~31.2V	
		Protection type: Shut down , power supply will restart again		
	Over temperature	/		
Short Circuit	Long-term mode, auto recovery			
ENVIRONMENT	Operating amb. Temp. & Hum.	-20°C~50°C; 20%~90%RH No condensing		
	Storage Temp. & Hum.	-40°C~85°C; 5%~95%RH No condensing		
SAFETY & EMC Note 3	Safety Standards	EN60950-1 certified		
	Withstand Voltage	Primary-Secondary:3.0KVac; $\le 10mA$.Primary-PG:1.5KVac; $\le 10mA$. Secondary-PG:0.5KVac $\le 10mA$.		
	Leakage Current	Input—output: $\le 0.25mA$ Input—PG: $\le 3.5mA$		
	Isolation Resistance	Primary-Secondary: >10M ohms .Primary-PG: >10M ohms. Secondary-PG: >10M ohms		
	EMC Emission	Compliance to EN55022, EN55024, Class B		
	Harmonic Current	Compliance to EN61000-3-2, CLASS A		
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; EN55024 light industry level		

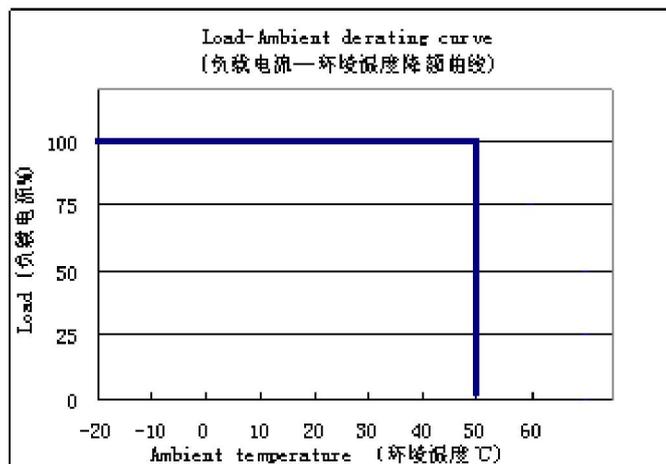
OTHERS	MTBF (MIL-HDBK-217F)	More than 300,000Hrs (25°C, Full load)
	Dimension	32*92*103.7mm(W*H*D)
	Packing	
	Cooling method	Cooling by free air convection
NOTE	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 10uF 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. 4. I Division of all the parameters of the test method and measurement standards remain within the scope of the law to allow the final interpretation. If you have any questions, please contact our customer service staff	

■ **Mechanical Specification**

Unit: mm



DG-30-S12



DG-30-S24

