



Features:

- Universal AC input range(90~264Vac)
- DC input range(127~370Vdc)
- Efficiency up to 88%
- 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



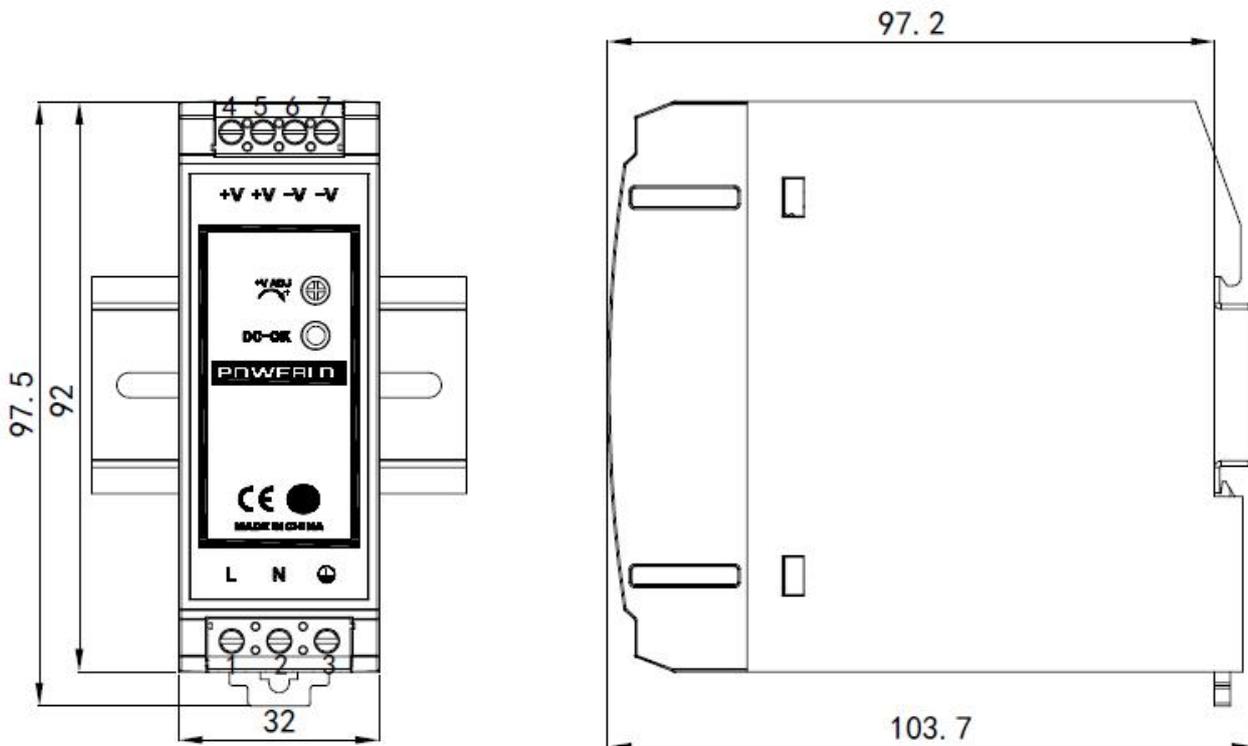
SPECIFICATION

| MODEL | | DG-60S-12 | DG-60S-24 | |
|--------------------------|---|---|--------------------------------------|--|
| OUTPUT | DC Output | 12V | 24V | |
| | Rated Current | 5A | 2.5A | |
| | Current Range Note 1 | 0~5A | 0~2.5A | |
| | Ripple and Noise Note 2 | 10 <math>< Ta \le 50^{\circ}C</math> | $\le 50mV$ | |
| | | -20 $\le Ta \le 10^{\circ}C$ | $\le 100mV$ | |
| | 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 | $\pm 0.03\%/^{\circ}C</math>$ | | |
| Overshoot and Undershoot | <math>< 5.0\%</math> | | | |
| INPUT | Voltage Range | 90Vac~264Vac | | |
| | Frequency Range | 47Hz~63Hz | | |
| | Power Factor (typical) | / | | |
| | Efficiency (Typical) | 86%(230Vac input, Full load) | 88%(230Vac input, Full load) | |
| | AC Current (max.) | <math>< 1.6A</math> | | |
| | Inrush Current (Typical) | <math>< 42A/230Vac</math> Cold start | <math>< 50A/230Vac</math> 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 , criteria B | | | |

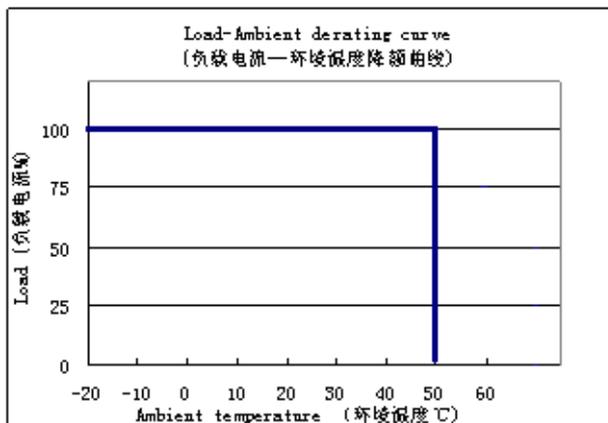
| | | |
|---------------|--|--|
| OTHERS | MTBF (MIL-HDBK-217F) | More than 300,000Hrs (25°C, Full load) |
| | Dimension | 32*92*103.7mm(W*H*D) |
| | Packing | \ |
| | Cooling method | Cooling by free air convection |
| NOTE | <ol style="list-style-type: none"> 1. All parameters NOT specially mentioned 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-60-S12



DG-60-S24

