


**Features:**

- Universal AC input range(90~264Vac)
- Universal DC input range(127~370Vdc)
- Built-in active PFC,PF>0.95
- High efficiency up to 87%
- Built-in current limiting circuit
- Output protections: OVP/OLP/SCP/OTP
- Wide operating ambient temp (-20℃~70℃)
- Can be installed on TS-35/7.5 or TS-35/15
- 100% full load burn-in test
- Suitable for critical applications
- Ultra-slim,70mm width
- Free air convection
- High efficiency, long life and high reliability
- 2 years warranty

MODEL		DG-U240S24
OUTPUT	DC Output	24V
	Rated Current	10A@24V, 9A@28V
	Current Range	Note 1 0~10A
	Ripple and Noise	0~70℃ ≤120mV
		Note 2 -20℃ ≤240mV
	Voltage ADJ. Range	24~28V
	Voltage Accuracy	±5.0%
	Line Regulation	±0.5%
	Load Regulation	±1.0%
	Set-up Time	<2S@230Vac
	Hold up Time	≥20mS(230Vac input, Full load)
	Temperature Coefficient	±0.03%/℃
	Overshoot and Undershoot	<5.0%
INPUT	Voltage Range	90Vac~264Vac
	Frequency Range	47Hz~63Hz
	Power Factor (typical)	0.99/110Vac 0.95/230Vac
	Efficiency ( Typical)	87%
	AC Current (max.)	<2.5A Max/230Vac
	Inrush Current (Typical)	<60A/230Vac Cold start
	Leakage Current	Input—output:<0.25mA Input—PG:<3.5mA
PROTECTION	Over Load	Constant current 10.5A~11.5A limiting output current
	Over voltage	29~33V, constant voltage, Auto recovery
	Over temperature	83℃@ rated input, full-load output; shut down O/P, auto recovery after temperature goes down.
	Short Circuit	Long-term mode, auto recovery
ENVIRONMENT	Operating amb. Temp. & Hum.	-20℃~70℃; 20%~90%RH No condensing
	Storage Temp. & Hum.	-40℃~85℃; 5%~95%RH No condensing
SAFETY & EMC Note 3	Safety Standards	meet GB4943, EN60950
	Withstand Voltage	Primary-Secondary:3.0KVac; ≤10mA .Primary-PG:1.5KVac; ≤10mA. Secondary-PG:0.5KVac≤10mA.
	Isolation Resistance	≥10M ohms
	EMC Emission	Compliance to EN55022, EN55024, Class A
	Harmonic Current	Compliance to EN61000-3-2, CLASS A
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,11; heavy industry level
OTHERS	MTBF (MIL-HDBK-217F)	More than 300,000Hrs (25℃, Full load)
	Dimension (W*H*D)	70*124*127mm



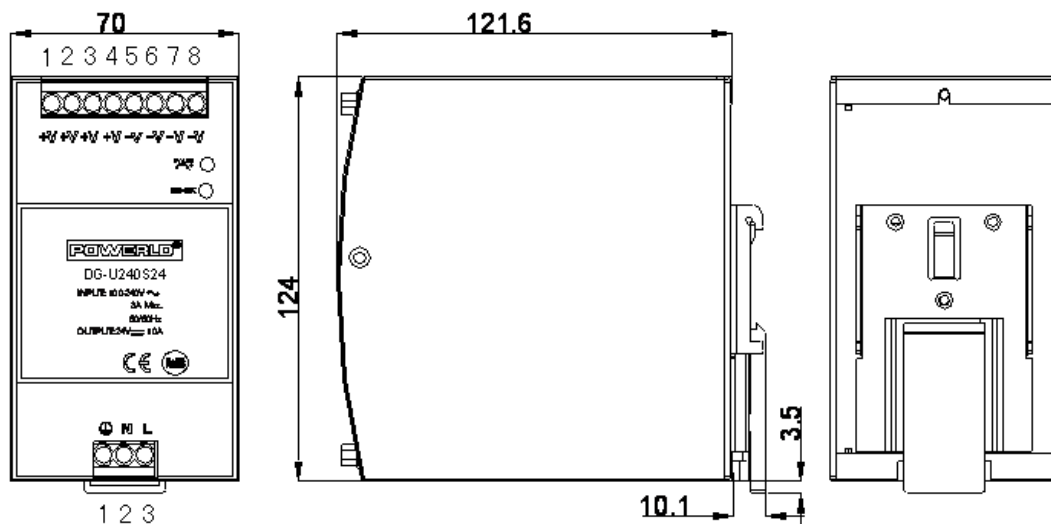
**POWERLD®**

## 240Watts Single Output Industrial DIN Rail Power Supply    DG-U240S24

	Packing	10pcs/CTN, 13Kgs/CTN, 0.04cbm
	Cooling method	Cooling by free air convection
NOTE	<p>1. All parameters NOT specially mentioned are measured at rated input, rated load and 25℃ of ambient temperature.</p> <p>2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF &amp; 10uF parallel capacitor.</p> <p>3. The SPS is considered a component which will be installed into final equipment. We cannot guarantee that the final equipment will meet EMC directives, Final product manufactures must be re-confirm that their product meets EMC directives</p>	

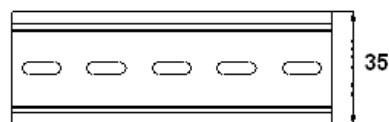
## Mechanical Specification

Unit: mm



### AC terminal Pin No. Assignment

PIN No.	Assignment	Specification
1	⊖	6.35mm, 3PIN screw type terminal
2	N	
3	L	



Admissible Din-Rail: TS35/7.5 or TS35/15

### DC terminal Pin No. Assignment

PIN No.	Assignment	Specification
1/2/3/4	V+	6.35mm, 8PIN screw type terminal
5/6/7/8	V-	

## Block Diagram

