



Features:

- Universal AC input range(90~264Vac)
- High efficiency up to 88%
- Built-in current limiting circuit
- Output protections: OVP/OLP/SCP/OTP
- Wide operating ambient temp (-25°C~70°C)
- Built-in DC OK function
- Can be installed on TS-35/7.5 or TS-35/15
- 100% full load burn-in test
- Suitable for critical applications
- Ultra-slim,45mm width
- 2 years warranty

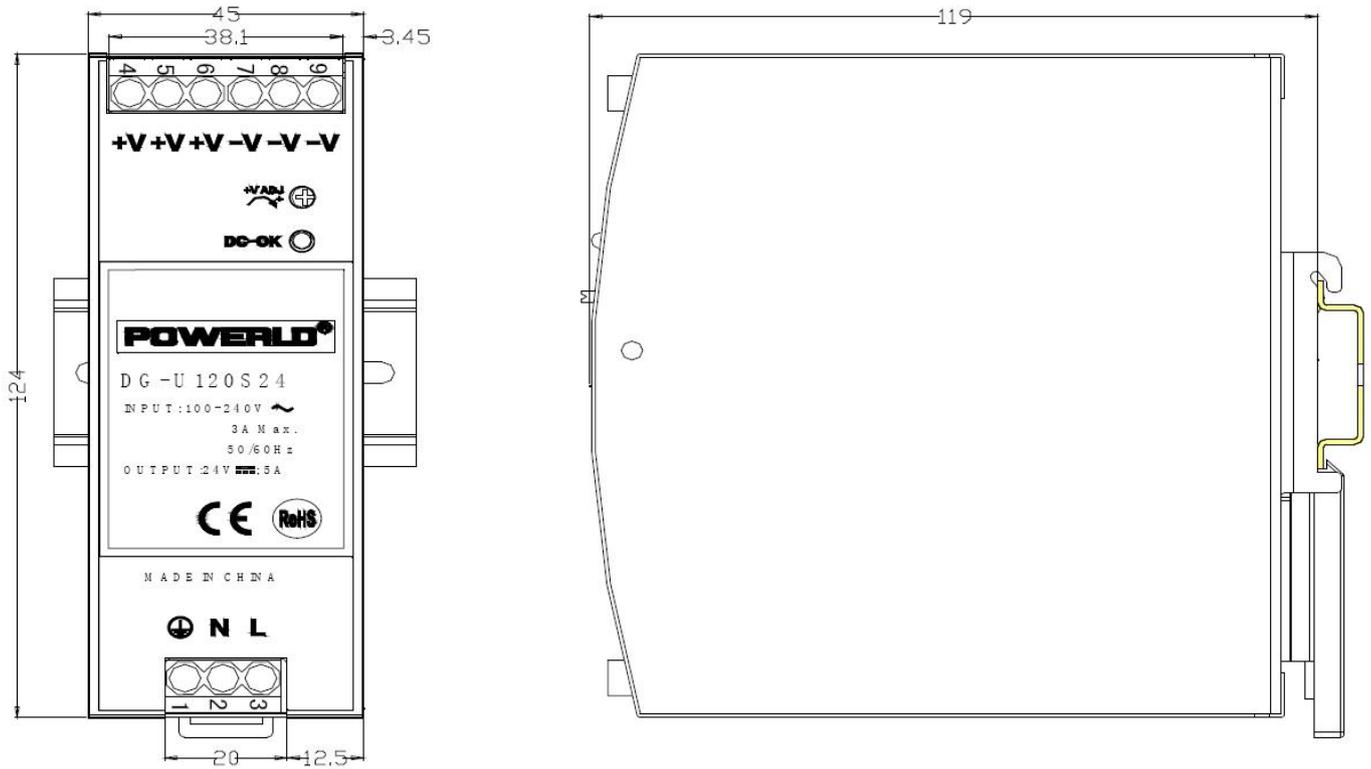


SPECIFICATION

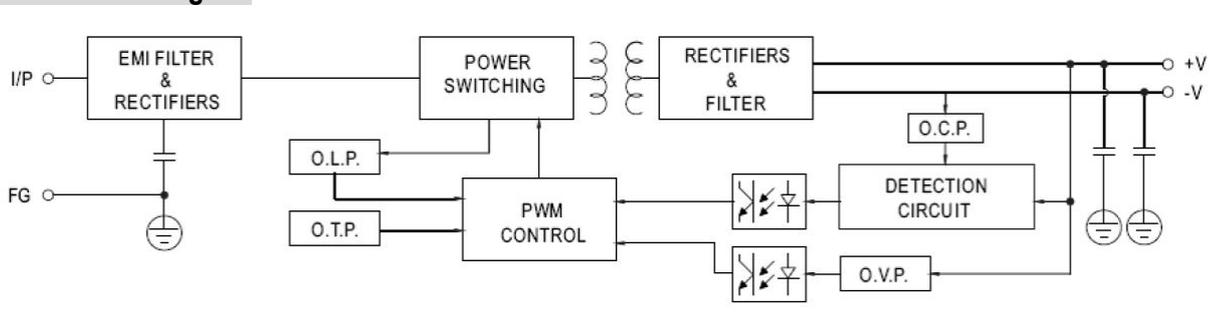
MODEL		DG-U120S-24	
OUTPUT	DC Output	24V	
	Rated Current	5A	
	Current Range Note 1	0~5A	
	Ripple and Noise Note 2	0~70°C	≤120mV
		-25°C	≤240mV
	Voltage ADJ. Range	24~28V	
	Voltage Accuracy	±1.0%	
	Line Regulation	±0.5%	
	Load Regulation	±1.0%	
	Set-up Time	<1.2S@230Vac ; <2.5mS@115Vac	
	Hold up Time	≥10mS@115Vac; ≥20mS@230Vac Full load	
	Temperature Coefficient	±0.03%/°C	
Overshoot and Undershoot	<5.0%		
INPUT	Voltage Range	90Vac~264Vac	
	Frequency Range	47Hz~63Hz	
	Efficiency (Typical)	88%	
	AC Current (max.)	<2.25 A/115VAC ; <1.3A/230VAC	
	Inrush Current (Typical)	20A/115Vac ; 35A/230Vac Cold start	
	Leakage Current	Input—output:<0.25mA Input—PG:<3.5mA	
	Over Load	5.25~6.5A, constant current	
PROTECTION	Over voltage	29~33V, shut down, re-power on.	
	Over temperature	100±5°C, detect on heat sink of power transistor; shut down O/P, re-power on.	
	Short Circuit	Long-term mode, auto recovery	
	Operating amb. Temp. & Hum.	-25°C~70°C; 20%~90%RH No condensing	
ENVIRONMENT	Storage Temp. & Hum.	-40°C~85°C; 5%~95%RH No condensing	
	Safety Standards	EN60950-1 certified	
SAFETY & EMC Note 3	Withstand Voltage	Primary-Secondary:3.0KVac; ≤10mA .Primary-PG:2.5KVac; ≤10mA. Secondary-PG:0.5KVac≤10mA.	
	Isolation Resistance	≥100M ohms	
	EMC Emission	Compliance to EN55022, EN55024, FCC PART 15 Class B (according to POWERLTD test condition)	
	Harmonic Current	Compliance to EN61000-3-2, CLASS A	
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,11; heavy industry level	
	MTBF (MIL-HDBK-217F)	More than 500,000Hrs (25°C, Full load)	
OTHERS	Dimension (W*H*D)	45*124*119mm	
	Packing	24pcs/CTN,15.0Kg, 0.04cbm	
	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. We cannot guarantee that the final equipment will meet EMC directives, Final product manufactures must be re-confirm that their product meets EMC directives 		

Mechanical Specification

Unit: mm



Block diagram



Derating curve

