


**Features:**

- Universal AC input range(85~264Vac)
- Support 1+1 or N+1 redundant system ( suggest to use redundancy modules. )
- Built-in active PFC,PF>0.95
- High efficiency up to 91%
- Built-in current sharing function
- Built-in current limiting circuit
- Output protections: OVP/OLP/SCP/OTP
- Wide operating ambient temp (-25℃~70℃)
- 150% peak load capacity
- Easy Fuse Tripping due to High Overload Current
- Excellent Partial Load Efficiency
- Built-in DC OK relay contact
- Can be installed on TS-35/7.5 or TS-35/15
- 100% full load burn-in test
- Suitable for critical applications
- Ultra-slim,32mm width
- 3 years warranty

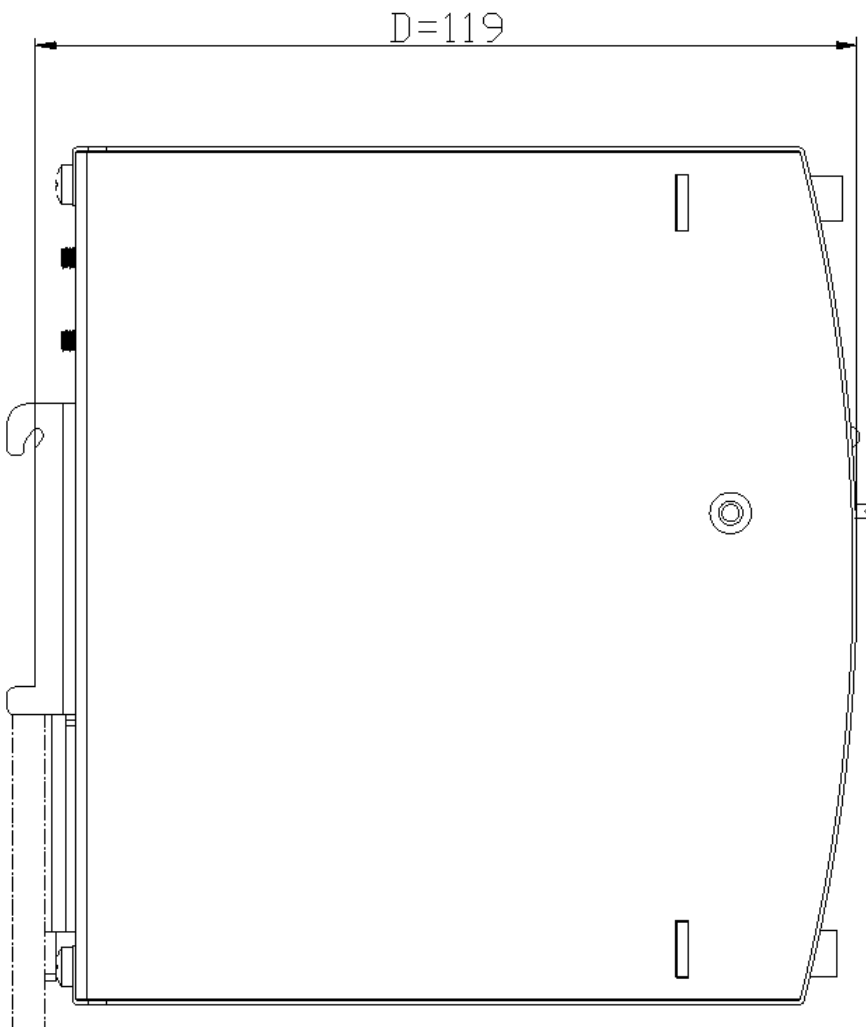
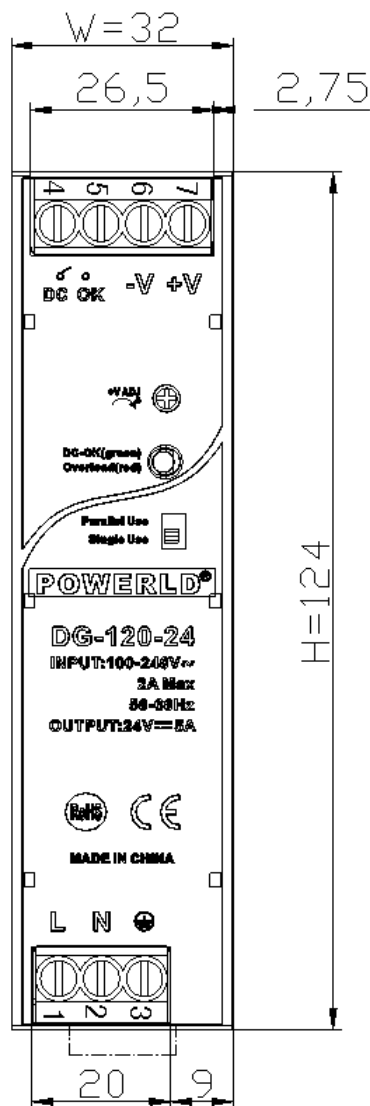
**SPECIFICATION**

MODEL		DG-75-12	DG-75-24
OUTPUT	DC Output	12V	24V
	Rated Current	6.3A	3.2A
	Current Range	Note 1 0~6.3A	0~3.2A
	Ripple and Noise	0~70℃	≤100mV
		Note 2 -25℃	≤200mV
	Voltage ADJ. Range	12~14V	24~28V
	Voltage Accuracy	±1.0%	
	Line Regulation	±0.5%	
	Load Regulation	±1.0%	
	Set-up Time	<250mS@230Vac ; <500mS@100Vac	
	Hold up Time	≥20mS(230Vac input, Full load)	
	Temperature Coefficient	±0.03%/℃	
	Overshoot and Undershoot	<5.0%	
INPUT	Voltage Range	85Vac~264Vac	
	Frequency Range	47Hz~63Hz	
	Power Factor (typical)	0.99/100Vac 0.95/230Vac	
	Efficiency ( Typical)	88%	91%
	AC Current (max.)	<0.95 A/100Vac <0.45A/230Vac	
	Inrush Current (Typical)	<30A/100Vac <60A/230Vac Cold start	
	Leakage Current	Input—output:<0.25mA Input—PG:<3.5mA	
PROTECTION	Over Load	110%~150% of rated current, Constant power limiting for some time(120%@5S,150%@3S) then hiccup mode, auto recovery	
	Over voltage	15~18V	29~33V
		Protection type: Hiccup mode, Auto recovery	
	Over temperature	100±5℃, detect on heat sink of power transistor; shut down O/P, auto recovery after temperature goes down.	
ENVIRONMENT	Short Circuit	Long-term mode, auto recovery	
	Operating amb. Temp. & Hum.	-25℃~70℃; 20%~90%RH No condensing	
SAFETY & EMC	Storage Temp. & Hum.	-40℃~85℃; 5%~95%RH No condensing	
	Safety Standards	meet UL508, UL60950, EN60950	
	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	
	Harmonic Current	Compliance to EN61000-3-2, CLASS A	
Note 3		EMC Immunity Compliance to EN61000-4-2,3,4,5,6,8,11; heavy industry level	
OTHERS	MTBF (MIL-HDBK-217F)	More than 300,000Hrs (25℃, Full load)	

	Dimension (L*W*H)	124*119*32mm
	Packing	28pcs/CTN,21.2Kg, 0.04cbm
	Cooling method	Cooling by free air convection
Additional function	Power boost	150% of rated current
	Parallel function	support
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. The equipment must be re-confirmed that it still meets EMC directives.</p>	

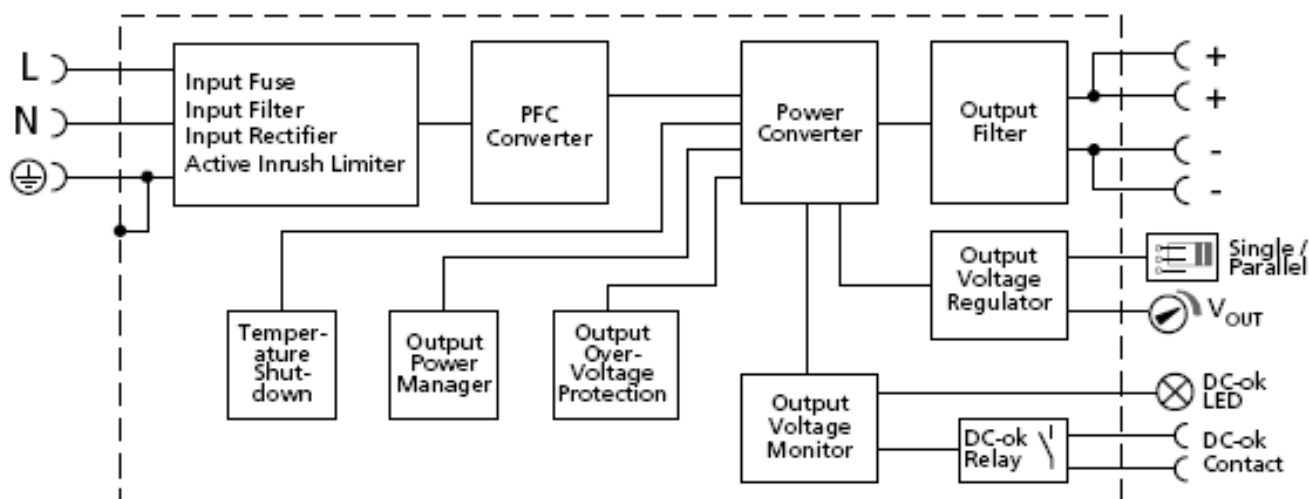
# Mechanical Specification

Unit: mm



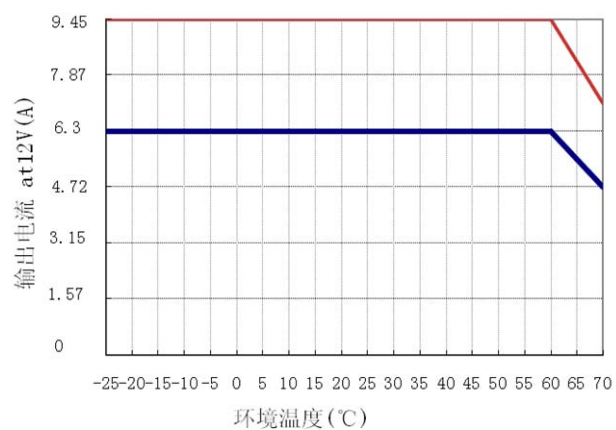
# Block Diagram

Fig. 11-1 Functional diagram

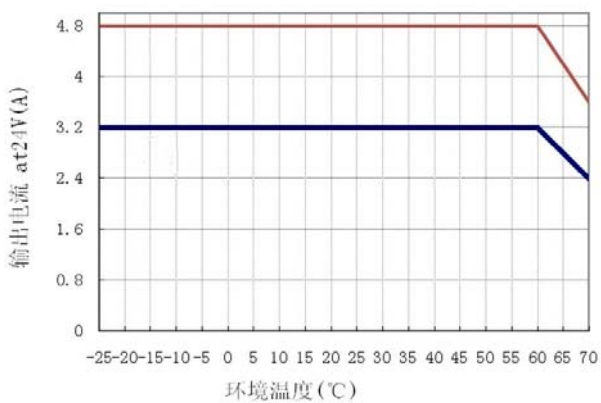


■ Derating Curve

**DG-75-12**



**DG-75-24**



 : short time working;

 : continual working.