

# DIN RAIL POWER SUPPLY

## 24VDC 480WATT

### STONTRONICS: DG-480-24



#### Features:

- Universal / Full Range Input
- Highly Reliable Design
- 100% Full Load Burn-in Test
- 3 Year Warranty

#### Description:

The TT Electronics range of Din Rail Power Supplies can be installed on either TS-35/7 or TS-35/18. Featuring wide ranging universal Input for many industrial application and come with a 3 year warranty as standard. This 480watt unit is offered in 24v and comes with built in active PFC.

Specification	
Part Number	DG-480-24
DC Output	24V
Rated Output Current	20A
Ripple & Noise	<240mV
Voltage ADJ Range	24-28V
Voltage Accuracy	+/-3%
Line Regulation	+/- 0.5%
Load Regulation	+/-1%
Set up Time	<3S@230Vac
Hold up Time	<20mS @ 230Vac input, Full load
Temperature Coefficient	+/-0.03%
Overshoot and Undershoot	<5%
Input Voltage Range	85Vac - 264Vac
Input Frequency	47Hz-63Hz
Efficiency	94%
AC Current (max.)	<3A/100Vac
Inrush Current (max.)	<20A/110Vac <40A/230Vac Cold start
Leakage Current	Input-output:<0.25mA
Over Load Protection	120% - 150% of rated current
Over Voltage Protection	29-33V, constant voltage, Auto recovery
Short Circuit	Long-term mode, auto recovery
Operating Temp. & Humidity	-25°C to 70°C / 20% to 90%
Storage Temp. & Humidity	-40°C to 85°C / 5% to 95%
Safety Standards	UL508, UL60950, EN60950
Withstand Voltage	Primary-Secondary:3.0KVac; <10mA Primary-PG:2.5KVac; <10mA Secondary-PG0:5KVac-20mA
Isolation Resistance	>100M ohms
EMC Emission	Compliance to EN55022, EN55024, FCC PART 15 Class B
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; heavy industry level
MTBF	>300,000 hours
Dimensions	50mm x 124mm x 127mm

#### General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

#### STONTRONICS

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### Diagrams

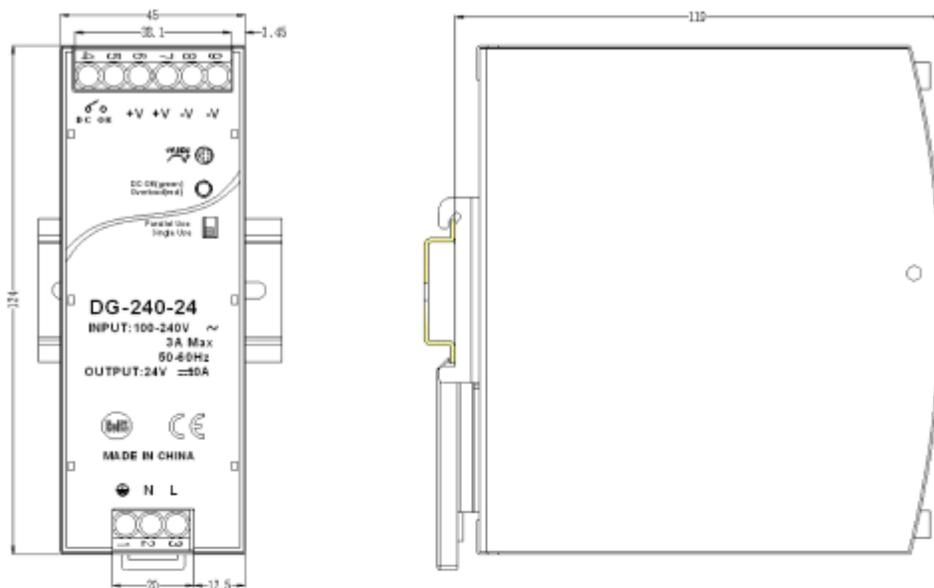


Fig. 11-1 Functional diagram

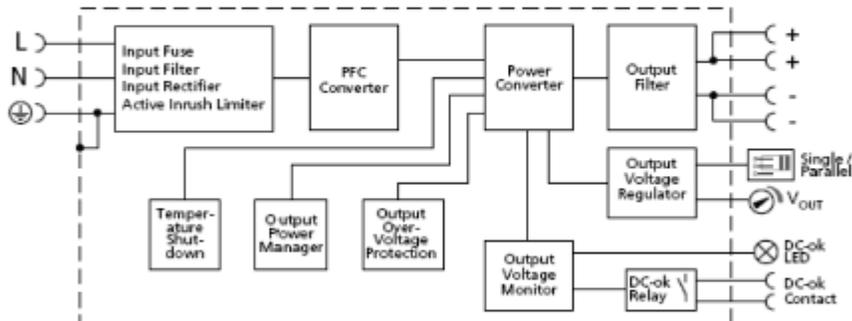
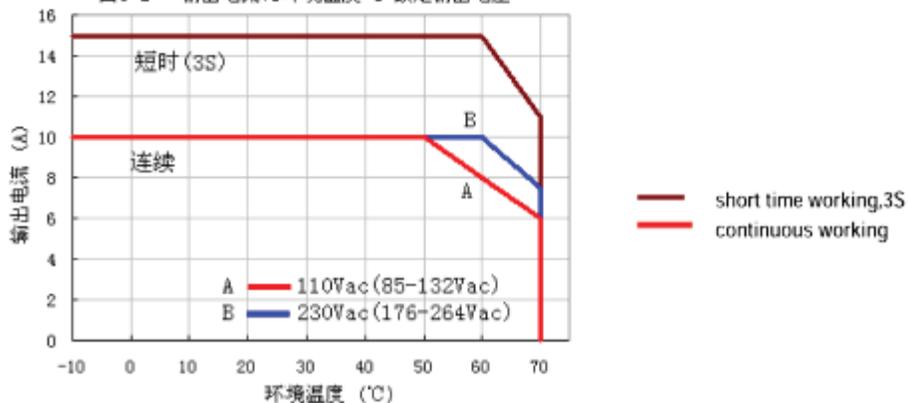


图6-2 输出电流VS环境温度 @ 额定输出电压



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