

Din Rail Series (120W)

STONTRONICS: DG-120-12, DG-120-24, DG-120-48



Features:

- High efficiency up to 94.5%
- 75w – 960w with parallel function
- “Slim” case occupying less din rail space
- Up to 30% smaller than industry standard
- Output voltage up to 110% V nom
- Output power up to 110%
- 150% peak output current for 3 seconds
- -25°C to 70 °C
- Installation on TS-35/75 or TS-35/15

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 120 Watt unit is offered in 12, 24 & 48V.

Range Specification							
Part Number	DC Output	Rated Current	Current Range	Ripple & Noise	Voltage Accuracy	Line Regulation	Load Regulation
DG-120-12	12V	10A	0-10A	<100mV	±1%	±0.5%	±1%
DG-120-24	24V	5A	0-5A	<120mV	±1%	±0.5%	±1%
DG-120-48	48V	2.5A	0-2.5A	<240mV	±1%	±0.5%	±1%

Specification	
Voltage Range	90-264VAC
Frequency Range	47-63Hz
Efficiency	Up to 94%
Over Load	120%-150% Constant power with auto recovery
Over Temperature	Protection Type: Shut down, auto recovery
Operating Temperature	-25°C ~ 70°C
Operating Humidity	20%~90%RH No condensing
Storage Temperature	-40°C~85°C
Safety	GB4943/EN60950
Leakage Current	Input—output: ≤0.25mA Input—PG:≤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
MTBF	300,000 Hrs
Dimensions	124x32x119mm

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

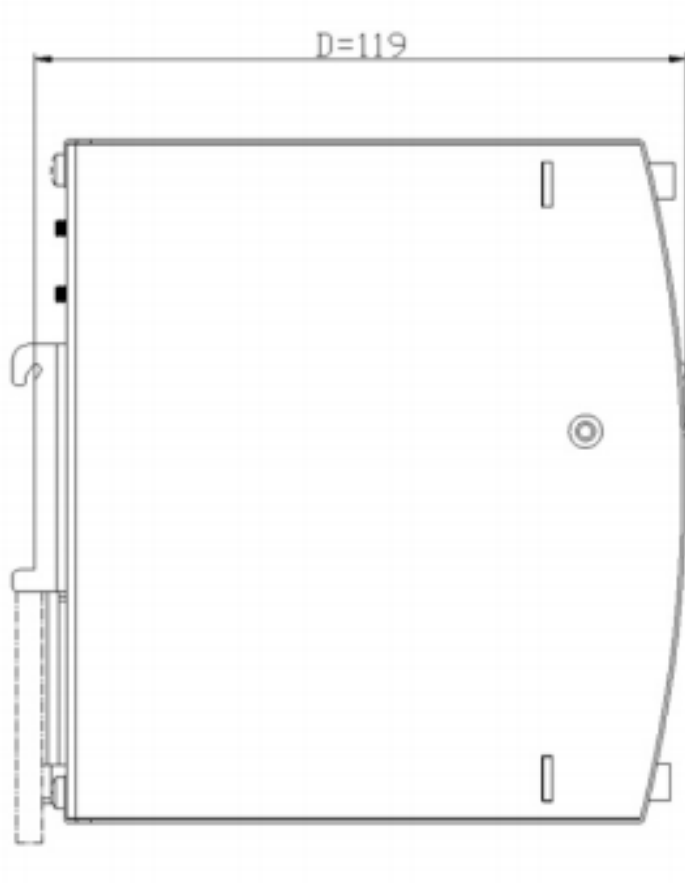
TT Electronics IoT Solutions Ltd
Tofts Farm East, Brenda Road, Hartlepool, TS25 2BQ, UK
t: +44 (0) 1429 852 500

Din Rail Series (120W)

STONTRONICS: DG-120-12, DG-120-24, DG-120-48

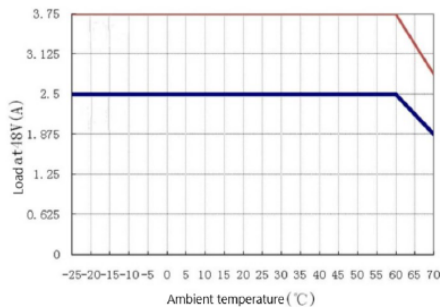


Diagrams

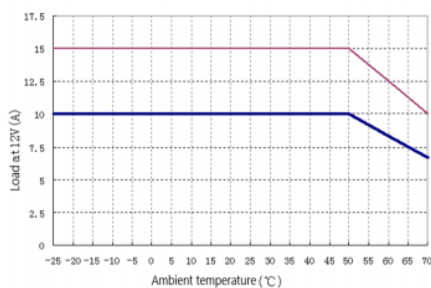


Derating Curves

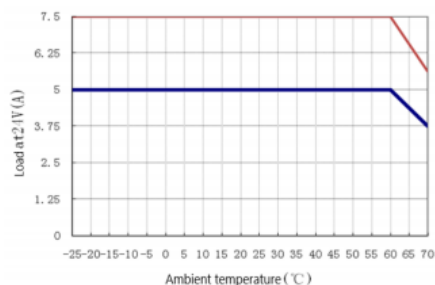
DG-120-12



DG-120-24



DG-120-48



—: short time working;
—: continual working.

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

TT Electronics IoT Solutions Ltd
 Tofts Farm East, Brenda Road, Hartlepool, TS25 2BQ, UK
 t: +44 (0) 1429 852 500

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TT Electronics:](#)

[DG-120-12](#) [DG-120-24](#) [DG-120-48](#)