

# 180 Watt, FDR 180 Series, Slim Line DIN Rail Power Supply



electronicpowersolutions

- Universal AC Input with PFC
- High Efficiency, High Reliability
- Wide Temperature Range -25 to +70 °C
- Output On / Low LED's, Output Voltage Trim
- Over Load, Over Voltage Protected
- Full Approvals: UL/cUL/CE
- 3 Year Warranty
- Competitive Prices / From Stock



Size: 130(H) x 50(W) x 125(D) mm

## Specification

Input Voltage (Universal).....	90~264 VAC, (127~370 VDC)
Input Frequency.....	47~63 Hz
Inrush Current.....	Cold start, 50A Max
Input Current.....	2 A @ 115 VAC, 1 A @ 230 VAC
Power Factor.....	>0.93 @ 230VAC, >0.98 @ 115 VAC
Load Regulation.....	+/-0.5%
Line Regulation.....	+/-1.0%
Output Voltage.....	See table below (plus adjustment range)
Over Load Protection.....	110% (hiccup model, auto-recovery)
Over Voltage Protection.....	125 ~ 146% of output voltage
Set Up, Hold Up Time.....	3600 ms, 20 ms
Isolation Voltage.....	I/P-O/P: 3 kVAC,
Operating Temperature.....	-25~+70 °C (see derating curve)
Safety Standards.....	UL, C-UL, CE,
EMC Standards.....	EN55011 / EN55022-B, FCC-B EN61000-3-2 (Class-A)
Dimensions.....	130(H) x 50(W) x 125 (depth from rail) mm
Weight.....	1 kg

## Models and Ratings

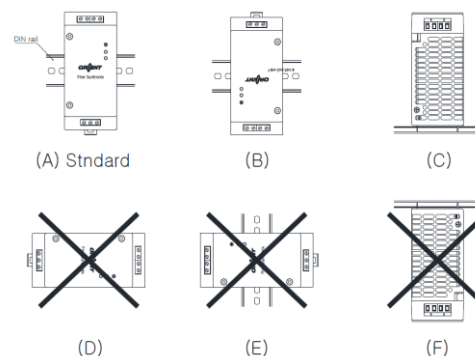
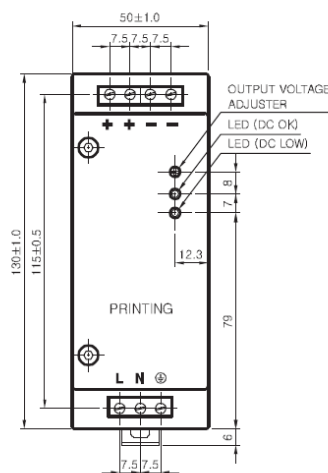
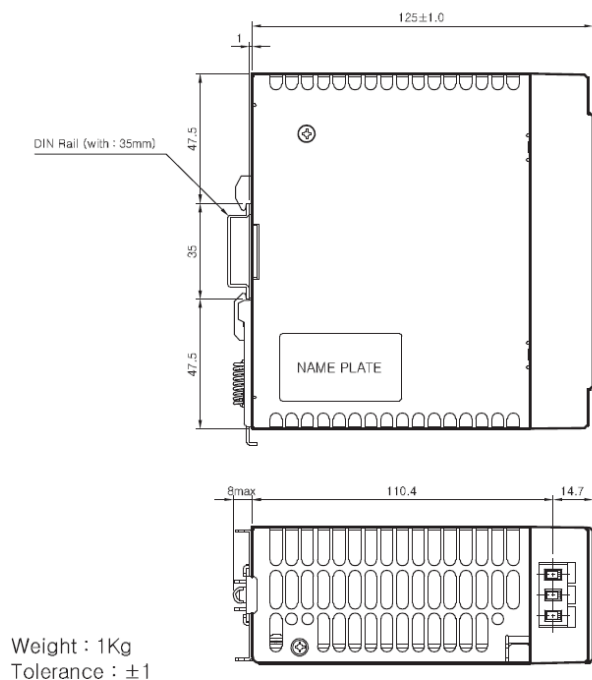
Model	Output	Output Adj. Range	Ripple/Noise	Efficiency
<b>FDR-180-24</b>	24.0 V / 7.5 A	22.5 V ~ 28.5 V	100 mV	90%
<b>FDR-180-48</b>	48.0 V / 3.8 A	45 V ~ 55 V	120 mV	92%

For mechanical details and connections, see next page

ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,  
Rochester, Kent, ME2 4HU, Tel : 01634 725527, Fax : 01634 739111  
Email : [sales@allpsu.co.uk](mailto:sales@allpsu.co.uk) Web : [www.allpsu.co.uk](http://www.allpsu.co.uk)

# 180 Watt, FDR 180 Series, Slim Line DIN Rail Power Supply

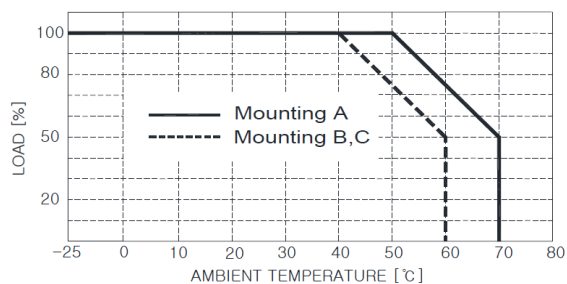
## Mechanical Details



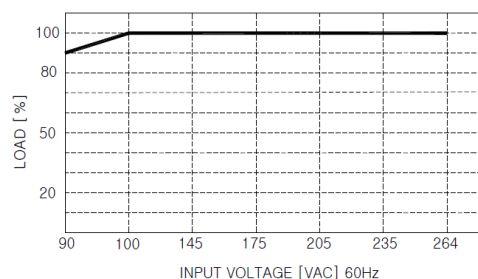
DC\_OK LAMP - LED (GREEN)  
DC\_LOW LAMP - LED (RED)

### Derating Curves:

Load vs Ambient Temperature



Load vs Input Voltage



Specifications can change without notice. E&OE. ALL PSU Terms & Conditions apply.

**ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,  
Rochester, Kent, ME2 4HU, Tel : 01634 725527, Fax : 01634 739111  
Email : sales@allpsu.co.uk Web : www.allpsu.co.uk**