

# 120 Watt, FDR 120 Series, Slim Line DIN Rail Power Supply



electronic powersolutions

- Universal AC Input
- 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 40(W) x 125(D) mm

## Specification

Input Voltage (Universal).....	90~264 VAC, (127~370 VDC)
Input Frequency.....	47~63 Hz
Inrush Current.....	Cold start, 40A Max at 230 VAC Input
Input Current.....	2.4 A @115 VAC, 1.4 A @ 230 VAC
Load Regulation.....	+/-1%
Line Regulation.....	+/-0.5%
Output Voltage.....	See table below (plus adjustment range)
Over Load Protection.....	110% (auto-recovery)
Over Voltage Protection.....	125% ~ 146% of rated output
Set Up, Hold Up Time.....	560 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, CB
EMC Standards.....	EN55022-B
Dimensions.....	130(H) x 40(W) x 125 (depth from rail) mm
Weight.....	800g

## Models and Ratings

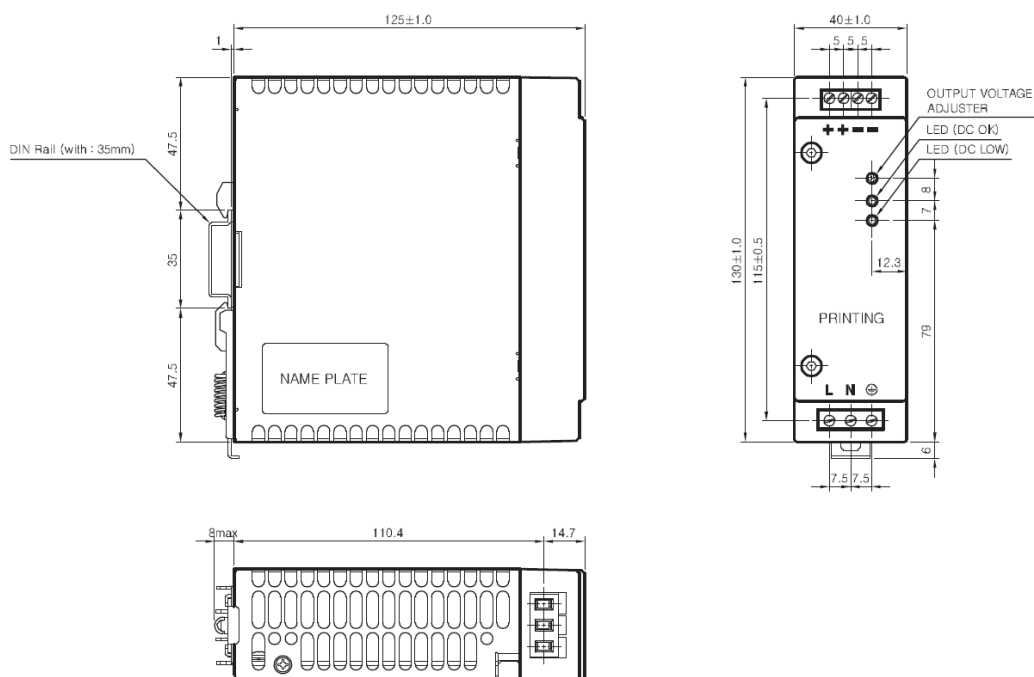
Model	Output	Output Adj. Range	Ripple/Noise	Efficiency
<b>FDR-120-24</b>	24.0 V / 5 A	22.5 V ~ 28.5 V	100 mV	87%
<b>FDR-120-48</b>	48.0 V / 2.5 A	45 V ~ 55 V	120 mV	88%

For mechanical details and connections, see next page

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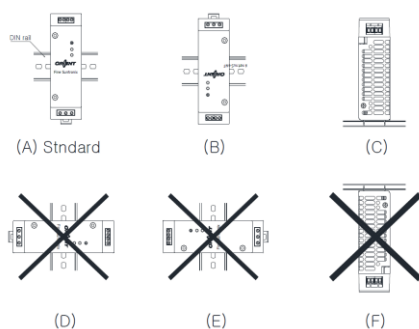
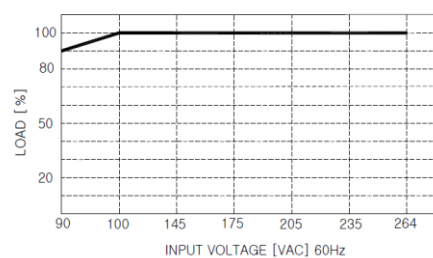
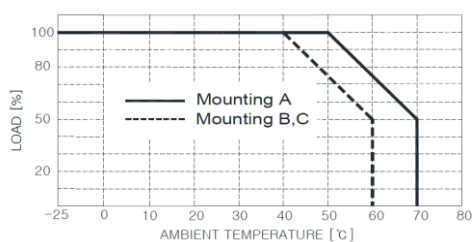
## Mechanical Details



**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.

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