

EFRD-S257

DC To DC 250W ERP1U Redundant Power Module

Features:

- High Efficiency >80%
- 250W with +12V, -12V and +5VSB Output
- 0~50°C Working Temperature
- Dimension: 50.5(W) x 40(H) x 220(D) mm

General Specification

- ⦿ Input Range:-36V~-72VDC
- ⦿ Efficiency: $\geq 80\%$ @ -48VDC
- ⦿ Short Circuit Protection
- ⦿ Over Current Protection
- ⦿ Over Voltage Protection
- ⦿ No load Operation
- ⦿ Over Temperature Protection
- ⦿ MTBF >100,000 Hours@25°C
- ⦿ Operating Temperature: 0 to 50 °C
- ⦿ Operating Humidity: 20 to 90 %
- ⦿ EMI/RFI: CE, FCC class A
- ⦿ Safety: UL, CB, TUV, CCC



Input and Output Characteristics

Input			Output		
Voltage	Current	Load	+12V	-12V	+5VSB
-36V~-72 VDC	9~4.5A	Max.Load	20A	0.5A	2A
		Min.Load	0.8A	0A	0A

Note: Noise bandwidth is from DC to 20 MHz

Ripple and Noise

Output	+12V	-12V	5Vsb
Load Regulation	$\pm 5\%$	$\pm 5\%$	$\pm 5\%$
Line Regulation	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$
Ripple & Noise	120mV	120mV	60mV

