

# EFRD-S257

## DC To DC 250W ERP1U Redundant Power Module

### Features:

High Efficiency  $\geq 80\%$

+12V and -12V and +5VSB Output

0~50°C Working Temperature

### 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, BSMI



### 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

## Mechanical

Outline Dimension: 50.5x40x220(mm)

## Outline Drawing

