

EFRD-S2507SH

1U DC To DC 500W Server Power Supply

Features:

- 48VDC Input
- High Efficiency (Power Module) > 85%
- 500W with ATX Output
- PMBus 1.2 Support
- 0~50°C Working Temperature
- N+1 Redundant Design
- Dimension: 106(W) x 41.2(H) x 335(D) mm



General Specification

- ⦿ Input Range: -40V~-72VDC
- ⦿ Efficiency: ≥85% @ -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	Frequency	Current	Load	+3.3V	+5V	+12V	-12V	-5V	+5Vsb
-40~-72V DC	-	24-12A	Max.Load	24A	24A	38A	0.5A		3A
			Min.Load	0A	0A	1A	0A		0.1A

Note: 1: The +3.3 & +5 Volt total outputs shall not exceed 140W.

2: Noise bandwidth is from DC to 20 MHz.

Ripple and Noise

Output	+3.3V	+5V	+12V	-12V	5Vsb
Load Regulation	±5%	± 5%	± 5%	± 5%	± 5%
Line Regulation	± 1%	± 1%	± 1%	± 1%	± 1%
Ripple & Noise	60mV	60mV	120mV	120mV	60mV

