

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℃

Operating Temperature: 0 to 50 $^{\circ}$ Operating Humidity: 20 to 90 $^{\circ}$

EMI/RFI: CE, FCC class ASafety: UL, CB, TUV, CCC



Input and Output Characteristics

Input			Output							
Voltage	Frequency	Current	Load	+3.3V	+5V	+12V	-12V	-5V	+5VSB	
-40~-72V	-	24-12A	Max.Load	24A	24A	38A	0.5A		ЗА	
DC			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.

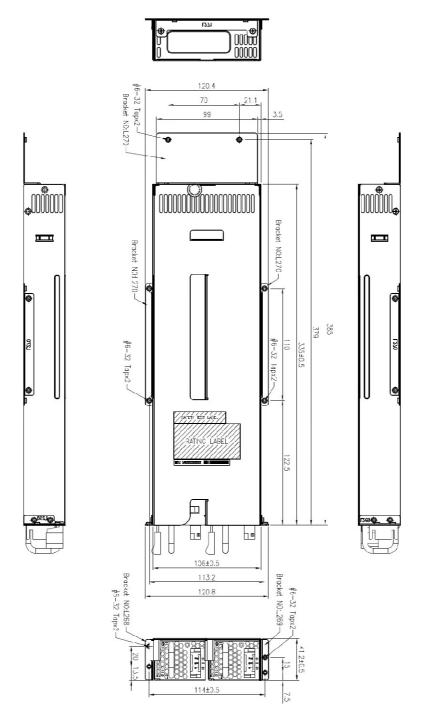
Ripple and Noise

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

Mechanical

Outline Dimension: 106x41.5x335(mm)

Outline Drawing



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