



The HDS 7200-48V Rectifier



Description:

The HDS 7200 rectifier is a three phase, hot-pluggable, fan-cooled rectifier. The constant output power rectifier supplies the specified power over the full output voltage range. The rectifier employs the state-of-the-art technology and provides excellent performance, wide input voltage range, and low THD. The HDS-7200 Rectifier is the cornerstone of the HDS-7200 Power System that and generate up to 10,000 Amps.

Features

- 3 Phase, 380/480 V_{rms} input
- Efficiency 90 %
- Low THD <5%
- Hot swappable, no system shutdown for maintenance
- Wide input voltage range: 264 - 530 V_{rms}
- Power factor correction (0.99)
- Constant output power
- User friendly LCD Display
- Intelligent micro-processor controlled

Specification

General

Product name	ESR 48 V - 7200 W - A
Efficiency, 380/480Vrms	90 %
Safety	EN 60950 IEC 60950 UL 60950 CAN/CSA-C22.2 No. 60950 FCC Part 15 class B EN 55022 class B
EMI, radiated compliant with	EN 55022 class B
Cooling	Fan cooled

Input

Voltage range	264 ... 530 V_{rms}
Current maximum	20 A_{rms} at 264V
Power factor	> 0.99
THD	< 5 %
EMI, conducted compliant with	FCC Part 15 class B EN 55022 class B

Output

Voltage, nominal	54 V_{dc}
Voltage adjust range	40 ... 59.5 V_{dc}
Load sharing	< \pm 2%
Power limit	7200W, fixed

Mechanics

Width, overall	19" / 483 mm
Depth, overall	18.9" / 480 mm
Height, overall	5.2" / 131 mm
Weight	48.8 lb / 22 kg

Environment

Operating temperature	- 5 ... + 55 °C
Relative humidity	95 % max, non condensing
Altitude	- 500 ~ 10000 feet

*Specifications are subject to change

