



# The MCS 3000-48V Power System

## Description:

The MCS 3000-24V Power system combines a compact modular design with intelligent power features and state-of-the-art technology. The MCS 3000-24V is capable of providing power up to 1200 A. It contains four rectifier shelves for up to 12 rectifiers ESR 24 V - 100 A - B and different distribution units with configurable elements for AC, DC distribution, LVDS and power system controller.



## Features

- Up to 1200 A installed power in a 7 ft frame
- Fan cooled rectifiers ESR 48V - 50 A - C
- Hot pluggable, all connectors at the rear
- Power system controller Intelligent

## Specification

### General

Product name	ESR 48 V - 50 A - C
Efficiency, at 220Vrms	90 %
Safety	UL 60950 CAN/CSA-C22.2 No.60950
EMI, radiated compliant with	FCC Part 15 class B EN 55022 class B

### Input

AC connection	1 $\Phi$ 220 V <sub>rms</sub> 3 $\Phi$ 4 W 220 V <sub>rms</sub> 3 $\Phi$ 5 W 380 V <sub>rms</sub>
Voltage range	176 ... 275 V <sub>rms</sub>
Voltage range	176 ... 275 V <sub>rms</sub>
Frequency range	45 ... 65 Hz
Current nominal	4 x 96 A <sub>rms</sub> , 1 $\Phi$ 4 x 56 A <sub>rms</sub> , 3 $\Phi$ 220V 4 x 32 A <sub>rms</sub> , 3 $\Phi$ 380V
EMI, conducted compliant with	FCC Part 15 class B, EN 55022 class B

### Output

Voltage, nominal	54 V <sub>dc</sub>
Voltage adjust range	42 ... 59.5 V <sub>dc</sub>
Maximum power	67,200 W, max.
Current limit	1200 A
Load sharing	< $\pm$ 5%

### Environment

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

\*Specifications are subject to change due to technical progress

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