

The MCS 1800-48V Power Shelf



Description:

The MCS 1800-48V Power system combines a compact modular design with intelligent power features and state-of-the-art technology. The result is MCS 1800-48V Power Shelf, which offers, advanced features making it a perfect choice for any outdoor cabinet applications. The MCS 1800-48V is capable of providing -48VDC power with a load range of up to 180Amps. Up to six plug-in rectifiers modules can be equipped on a power Shelf, each module with a rating of +30A at -48V. The shelf also houses Alarms and comprehensive remote monitoring and control.

Features

- Intelligent Power System Controller
- Up to 180 Amps output current
- Fan cooled rectifiers ESR 48V - 30 A - D
- Hot pluggable

Specification

General

Product name	ESR 48V-30A-D
Efficiency, at 220Vrms	91 %
Safety	UL/cUL TUV/CE

EMI, radiated compliant with	FCC Part 15 class B CISPR 22 class B
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Input

AC connection	1 Φ 220 V _{rms}
Voltage range	90 ... 275 V _{rms} 276 ... 300 V _{rms} (no damage)
Frequency range	45 ... 65 Hz
Current maximum	36 A

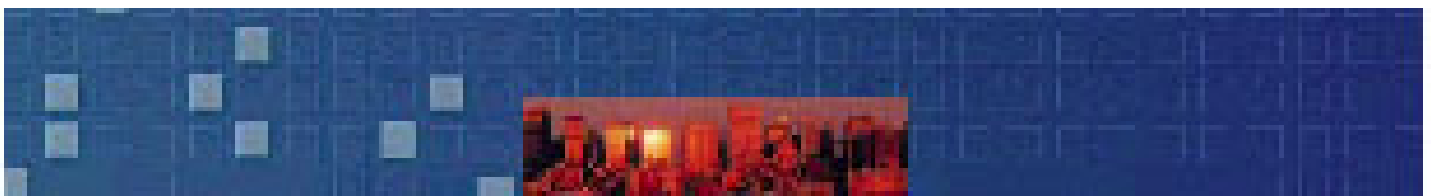
Output

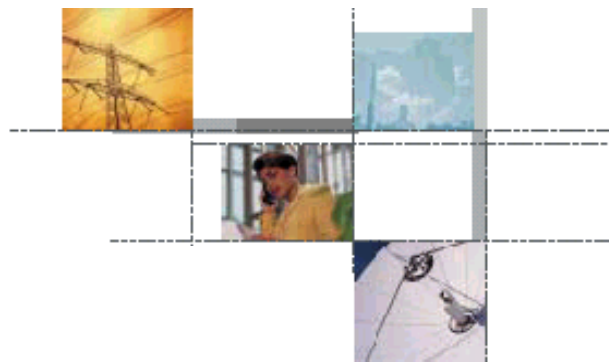
Voltage, nominal	54.3 V _{dc}
Voltage adjust range	42 ... 59.5 V _{dc}
Load regulation	< \pm 0.5 %
Load sharing	< \pm 5%

Environment

Operating temperature	0 ... + 65 °C
Reduced power	+ 50 ... + 65 °C
Relative humidity	95 % max, non condensing
Altitude	- 500 ~ 10000 feet

*Specifications are subject to change





MCS 1800 Series Power System

	Product name	Construction	Max. capacity	Embedded PDU	Dimension	Safety
	ES 48/30A-3 JBA	Shelf	Up to 3 rectifier 90A@48V	Yes	W 19" / 483 mm D 15" / 381 mm H 5.25" / 133 mm	No
	ES 48/30A-3 JDA	Shelf	Up to 3 rectifier 90A@48V	No	W 21" / 533 mm D 15.1" / 384 mm H 5.2" / 132 mm	UL/cUL
	ES 48/30A-3 JFA	Shelf	Up to 3 rectifier 90A@48V	Yes	W 19" / 483 mm D 15" / 381 mm H 5.25" / 133 mm	UL/cUL
	ES 48/30A-4 JAA	Shelf	Up to 4 rectifier 120A@48V	No	W 19" / 482.6 mm D 15" / 381 mm H 5.25" / 133 mm	UL/cUL
	ES 48/30A-4 JBA	Shelf	Up to 4 rectifier 120A@48V	Yes	W 19" / 483 mm D 15" / 381 mm H 12.1" / 308 mm	TUV/CE
	ES 48/30A-6 JEA	Shelf	Up to 6 rectifier 180A@48V	No	W 21" / 533 mm D 13" / 330 mm H 10.5" / 266 mm	UL/cUL TUV/CE

