



The MCS 1800-24V Power Shelf



Description:

The MCS 1800-24V Power system combines a compact modular design with intelligent power features and state-of-the-art technology. The result is MCS 1800-24V Power Shelf, which offers advanced features making it a perfect choice for outdoor cabinets any outdoor cabinet applications. The MCS 1800-24V is capable of providing +24VDC power with a load range of up to 90Amps. Up to three plug-in rectifiers modules (3U Shelf) can be equipped on a power Shelf, each module with a rating of +50A at +24V. The shelf also houses Alarms and comprehensive remote monitoring and control.

Features

- Up to 90 Amps output current
- Fan cooled rectifiers
- Hot pluggable
- Intelligent Power System Controller

Specification

General

Efficiency, at 220Vrms	88 %
Safety	UL/cUL
EMI, radiated compliant with	FCC Part 15 class B CISPR 22 class A

Input

AC connection	1 Φ 220 V _{rms}
Voltage range	90 ... 300 V _{rms} 276 ... 300 V _{rms} (no damage)
Frequency range	45 ... 65 Hz
Current maximum	48 A

Output

Voltage, nominal	27 V _{dc}
Voltage adjust range	20 ... 29 V _{dc}
Load regulation	< \pm 0.5 %
Maximum power	7000 W, max.
Current limit	220 A
Load sharing	< \pm 5%

Load Distribution

Distribution	External (Optional)
--------------	---------------------

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

