



The MCS 600-48V Power Shelf



Description:

The MCS 600 Series Power shelf combines a compact modular design with intelligent power features and state-of-the-art technology. The MCS 600 Series Power Shelf offers advanced features making it a perfect choice for outdoor cabinets and FTTX applications.

The MCS 600 Series Power Shelf is capable of providing - 48VDC power with a load range of up to 50Amps. Up to five plug-in rectifiers modules can be equipped on a Power Shelf, each module with a rating of 10A at - 48V. The shelf also houses and Alarm Unit to provide alarms comprehensive Remote Monitoring and Control.

Features

- Power system controller Smart CSU
- Up to 50A output current
- Fan cooled rectifiers ESR 48V - 10 A - B
- Hot pluggable, all connectors at the rear

Specification

General

| | |
|-----------------------------|---|
| Efficiency, at 220Vrms | 91 % |
| Safety | UL 60950 CAN/CSA-C22.2 No.60950 |
| MI, radiated compliant with | FCC Part 15 class B CISPR 22 class B |

Input

| | |
|-----------------|---|
| AC connection | 1 Φ 220 V _{rms} |
| Voltage range | 90 ... 276 V _{rms} 276 ... 300 V _{rms} (no damage) |
| Frequency range | 45 ... 65 Hz |
| Current maximum | 20 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% |

Load Distribution

| | |
|--------------|----------|
| Distribution | External |
|--------------|----------|

Environment

| | |
|-----------------------|--------------------------|
| Operating temperature | - 5 ... + 55 °C |
| Reduced power | + 55 ... + 65 °C |
| Relative humidity | 95 % max, non condensing |
| Altitude | - 500 ~ 10000 feet |

