

RT10 48V PowerShelf



Features

- High power density turn-key DC power solution
- Suitable for open or enclosed 19" racks
- Intelligent system management, remote monitoring and control via MiniCSU-3 controller
- Inbuilt protection mechanisms like battery current limiting, battery temperature sensing, low voltage disconnect, short circuit and reverse polarity protection
- Up to 2 battery strings
- Wide AC range 85 – 300 VAC

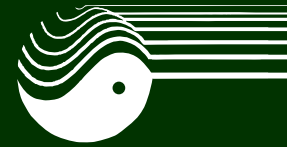
Benefits

- Compact and flexible
- Remote system management
- High level of integration
- "Hot swap" and "Plug & Play"
- Extensive battery management

Applications

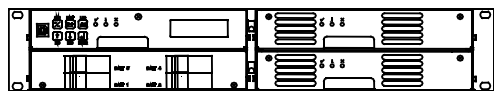
- 48V systems
- Especially suited to outdoor enclosures
- Data and wireless networks and switching
- Point of Presence (PoP)
- XDSL and other broadband applications

Rectifier Technologies

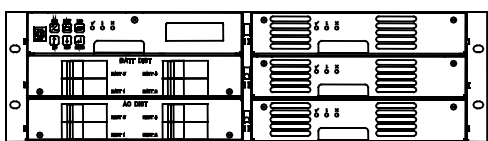


Standard System Configurations

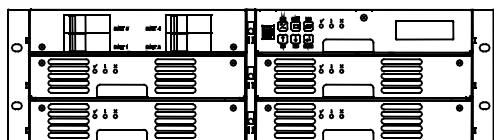
RT10 48V POWERSHELF



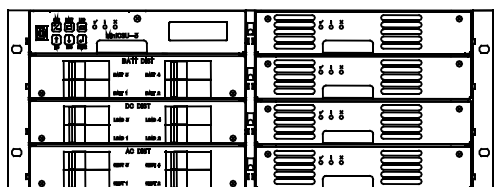
PSLF-1200



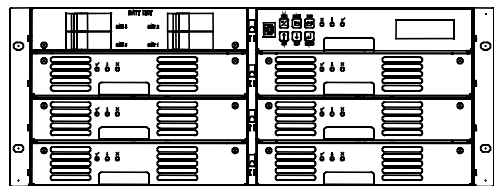
PSLF-1210



PSLF-1215



PSLF-1220



PSLF-1230

Power	Height	Recommended Load*	Max Output	Battery Strings	AC MCB
3.8kW	2U	35A	80A	1	External
5.7kW	3U	63A	120A	1	Yes
7.6kW	3U	100A	160A	2	External
7.6kW	4U	100A	160A	2	Yes
11.5kW	4U	125A	240A	2	External

*The recommended load current is based on N+1 redundancy and uses the redundant rectifier to contribute to recharge current.

Key System Specifications

- Input AC
 - Voltage: Universal 100 - 200 VAC. Fully protected up to 440VAC (L-N)
 - Power Factor: >0.98% for >50% output power
- Output DC
 - Voltage: 48V DC systems, adjustable range from 42.0 - 59.5 VDC
 - Efficiency: >90% at 100% output power
- Protection
 - Short Circuit: Can sustain short circuit at output terminals indefinitely
 - Reverse Battery Polarity: Internal fuse at output of SMR, integral battery circuit breakers and detection/disconnection circuitry
- Environmental
 - Operating Temperature Range: -40°C to +70°C
 - Full Power Temperature Range: -40°C to +55°C
 - Humidity: 0 to 100% relative humidity, condensing