



## RT9 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

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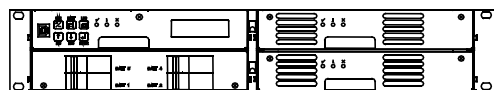
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# Rectifier Technologies

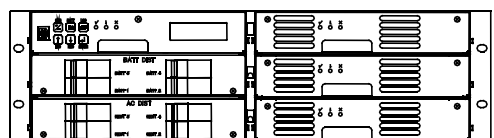


## Standard System Configurations

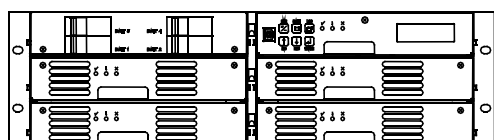
### RT9 48V POWERSHELF



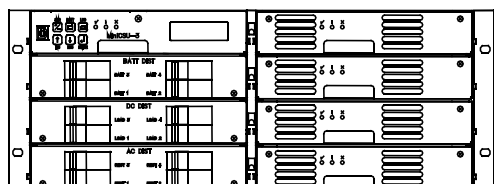
PSLF-1100



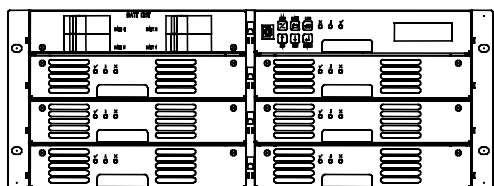
PSLF-1110



PSLF-1115



PSLF-1120



PSLF-1125

Power	Height	Recommended Load*	Max Output	Battery Strings	AC MCB
2.8kW	2U	25A	60A	1	External
4.2kW	3U	50A	90A	1	Yes
5.6kW	3U	63A	120A	2	External
5.6kW	4U	63A	120A	2	Yes
8.4kW	4U	100A	180A	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 - 240 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