

RT9 24V 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

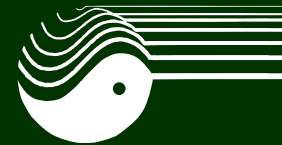
Benefits

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

Applications

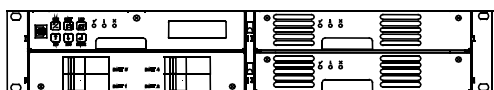
- 24V systems
- Especially suited to outdoor enclosures
- Data and wireless networks and switching
- Point of Presence (PoP)
- XDSL and other broadband applications

Rectifier Technologies

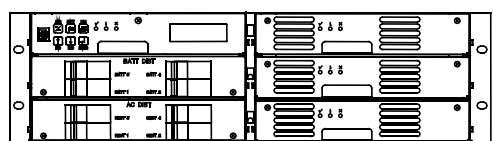


Standard System Configurations

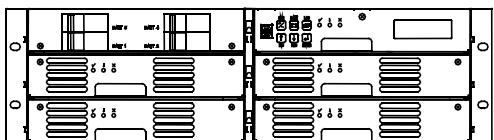
RT9 24V POWERSHELF



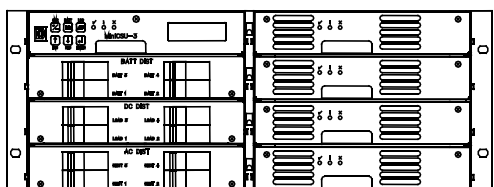
PSLF-1102



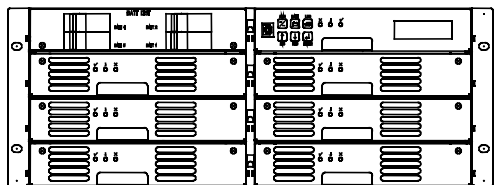
PSLF-1112



PSLF-1117



PSLF-1122



PSLF-1127

Power	Height	Recommended Load*	Max Output	Battery Strings	AC MCB
2.8kW	2U	50A	120A	1	External
4.2kW	3U	100A	180A	1	Yes
5.6kW	3U	130A	240A	2	External
5.6kW	4U	130A	240A	2	Yes
7.0kW	4U	200A	300A	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 - 240V Fully protected up to 440VAC (L-N)
 - Power Factor: >0.98% for >40% output power
- Output DC
 - Voltage: 24V DC systems, adjustable range from 22.0 - 29.9 VDC
 - Efficiency: >88% 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: -25°C to +70°C
 - Full Power Temperature Range: -25°C to +50°C
 - Humidity: 0 to 90% relative humidity, non-condensing