

SENTINEL DC POWER SYSTEM

If functionality, efficiency, and reliability are required, the Sentinel DC Power System is right for the job.

This power system features modular, hot-swappable rectifiers, integrated distribution, an advanced controller with robust universal AC input, and a high-efficiency DC output.

Trust the Sentinel for reliable and dependable DC power.



KEY FEATURES

- 19", 1U rack mount shelf
- 90–250 VAC input, power factor corrected
- 3 hot-swappable rectifier bays
- Output temperature compensated for precise battery charging
- Advanced controller with web GUI interface, SNMP monitoring/logging
- 4 DC circuit breaker distribution capacity with tripped breaker alarm
- Two 30 A battery disconnect breakers with trip alarm
- Controller with digital display of system parameters, TCP/IP Web interface, & SNMP monitoring/logging
- Alarm contacts monitor major system functions
- General purpose digital inputs for user configured external alarms
- 80 A low voltage disconnect built in with alarm
- Easily configures to meet site power requirements

GENERAL SPECIFICATIONS

Dimensions W x H x D)	482.6 x 44.45 x 260 mm [19 x 1.75 x 10.24 in] (H is 1U)
Weight	8.8 kg [19.4 lb]
Cooling	Forced-air cooling (front and back)

SHELF SPECIFICATIONS

SRS-48	
AC INPUT RATINGS	
Nominal Voltage	110–230 VAC
AC Input Voltage Range	85–300 VAC (derated below 220 VAC)
DC OUTPUT RATINGS	
Nominal Voltage	1x rectifier: 12.5–17.9 A 2x rectifier: 25–35.8 A 3x rectifier: 37.5–53.7 A
Output Current	1x rectifier: 600–860 W 2x rectifier: 1200–1720 W 3x rectifier: 1800–2580 W

RECTIFIER SPECIFICATIONS

	RM648HE	RM848HE
AC INPUT RATINGS		
Input Current	5.8 A	2.9 A
DC OUTPUT RATINGS		
Nominal Voltage	-54 VDC	-54 VDC
Voltage Range	Adjustable 54–58 VDC	Adjustable 54–58 VDC
Maximum Output Current	12.5 A	17.9 A
Output Power	600 W	860 W

ENVIRONMENTAL REQUIREMENTS

Ambient Temperature	-20–75°C [-4–167°F] (max. output power derated above 45°C [113°F])
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