

CENTURION II DC POWER SYSTEM

Ensure your site has power when it needs it most with the Centurion II Series of DC power systems, the next generation of robust power plants. The Centurion II Series delivers top of the line power and reliable performance when it comes to functionality, scale, and management. Tailored to fit your needs, the system provides a completely remote management tool that delivers real-time data at your fingertips. This system offers hot-swappable modules for quick and easy deployment, minimizing installation time and maximizing uptime with a one-year warranty.



KEY FEATURES

- Incredible functionality, scalability, and web monitoring in a 2 RU, 2.0–6.0 Kw, -24/48 V DC power system
- 19", 2U rackmount shelf with integrated power distribution
- 90–250 VAC input, power factor corrected
- 3 power bays accept 2000 Watt modular rectifiers
- 125 Amp, 6000 Watt total max. output capacity, (83.4 Amp, 4000 Watt, N+1) @ -48 VDC
- Output temperature compensated for precise battery charging
- 16 DC circuit breaker distribution capacity with tripped breaker alarm
- Master disconnect breakers for two battery strings with tripped breaker alarm
- EM4x Controller with comprehensive controls (local and web UI), data collection, and alarm monitoring/logging via v2 and v3 SNMP
- Hot swappable power bays
- General purpose digital inputs & relays for user configured external alarms
- Low voltage disconnect built in
- Easily configures to meet site power requirements

ELECTRICAL SHELF SPECIFICATIONS

	C2R-2000	RM-2048HE
Input Amps @ Full Load 112/230 V	@ <190 VAC = 13A	@ <190 VAC = 12A
Output Voltage	+27.2 VDC, adjustable 24–29 VDC	-54.4 VDC, adjustable 48–58 VDC
Output Amps Cont.	37 A*	41.7 A*
Watts	1000 W	2000 W
Weight	2.5 lb	3.5 lb

ELECTRICAL RECTIFIER SPECIFICATIONS

	C2RS-24	C2RS-48
Input Voltage Range	90–300 V (derate @ 120 input), 45–65 Hz	90–300 V (derate @ 120 input), 45–65 Hz
Configuration	3 Centurion II Rectifiers (+24 V), Controller, 16 DC Circuit Breaker Distribution, 2 x 100A Battery Breakers	3 Centurion II Rectifiers (-48 V), Controller, 16 DC Circuit Breaker Distribution, 2 x 100A Battery Breakers
Size	19/23", 2 RU	19/23", 2 RU
Weight	19.84 lb	19.84 lb

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GENERAL SPECIFICATIONS

Input (nominal)	230 V
Voltage Range	90–300 V (derate @ 115 input)
Frequency Rate	45–65 Hz
Power Factor	>0.99
Efficiency	>94% (from 30-95% output power)
Current Draw @ 230 VAC	2000 W
Rectifier	9.2 Amps
Ambient Temperature (nominal)	25±5°C, 5-95% RH (noncondensing)
Range	-20–70°C (derate above +45°C)
Altitude	<8,202 ft, de-rate maximum ambient temperature by 4°C per 3,280 ft above sea level
Wiring Option	Battery cable, 2 AWG, 7' Length (P/N: 435-2007-0)

Complete system design and assembly to your application parameters: rectifier configuration, circuit breaker installation, and programming of alarms and monitors. Installation in a relay rack with batteries and wiring also available.