Centurion II Power System: 24 & 48 Volt



Incredible Functionality, Scalability and Web Monitoring in a 2 RU, 1.0 to 6.0 Kw, -24/48V DC Power System

- 19", 2U rackmount shelf with integrated power distribution
- 90-250 VAC input, Power Factor Corrected
- 3 power bays accept 1000 or 2000 watt modular rectifiers
- 111 amp, 6000 watt total max. output capacity, (74 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
- Controller with digital display of system parameters with TCP/IP Web interface and SNMP monitoring/logging
- Alarm contacts monitor major system functions and dry contacts for user programmable alarms
- General Purpose Digital Inputs for user configured external alarms
- Low voltage disconnect built in
- Easily configures to meet site power requirements

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

Rectifier	Input Amps @ Full Load 115/230V	Output Voltage	Output Amps Cont.	Watts	Weight
C2R-1000	@ <175 VAC = 6.2A	-54.4 VDC, adjustable 48 - 58 VDC	18A*	1000	3.5 Lbs.
C2R-2000	@ <175 VAC = 12.5A	+27.2 VDC, adjustable 24 - 29 VDC	37A*	1000	3.5 Lbs.
C2RX-2048	@ <175 VAC = 12.5A	-54.4 VDC, adjustable 48 - 58 VDC	37A*	2000	3.5 Lbs.

** @ 120 VAC: Derate 2 kW rectifiers 41%; 1kW rectifiers 33%*

Shelf	Input Voltage Range	Configuration	Size	Weight
C2RS-24	90-300V (derate @ 115 input), 45-65 Hz.	3 Centurion II Rectifiers (+24 V), Controller, 16 DC Circuit Breaker Distribution, 2 x 100A Battery Breakers	19/23", 2 RU	19.84 Lbs.
C2RS-48		3 Centurion II Rectifiers (-48 V), Controller, 16 DC Circuit Breaker Distribution, 2 x 100A Battery Breakers		

Gerneral Specifications

Input: **Nominal:** 230V
Voltage Range: 90 - 300V (derate @ 115 input)
Frequency Range: 45 - 65 Hz
Power Factor: >0.99
Efficiency: >94% (from 30-95% output power)
Current Draw @ 230 VAC: 1000W Rectifier: 4.6 Amps
2000W Rectifier: 9.2 Amps

Ambient Temperature: Nominal: 25+/-5˚ C, 5-95% RH (non-condensing)
Range: -10˚ C to +70˚ C (derate above +50˚ 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)

The Centurion II Power System features Smart Power, see page 3 for more information.

NEWMAR® Powering the Network