Server Technology
Quality Rack Power Solutions

Sentry 48DCWB-12-2X100-A1NB

Key Features

> Remote Power Management: Combine intelligent power distribution and remote power control into a single 2U 19" rack-mount enclosure

> Input Power Feeds: Two (2) 100-amp inputs to support dual power supply servers and networking gear

> Outlets: Two (2) high-amp (to 70A) and four (4) low-amp (to 10A) individually fused outlets per input power feed

> IP Access & Security: Web interface, SSL, SSH, Telnet, SNMP, FTP, SNTP, Syslog, LDAP(S), TACACS+, RADIUS, and RS-232 access

> Expansion: Add an expansion PDU (48DCXB) to a master PDU (48DCWB) for additional monitoring and management under the same IP address

> Environmental Sensors: Add two (2) probes on 10ft leads that each measure temperature and humidity

Intelligent -48 VDC Power Distribution, Remote Management, Power & Environmental Monitoring



NEBS NTS Certified

48DCWB-12-2X100-A1NB

The Sentry 48DCWB-12-2X100-A1NB Intelligent PDU and Remote Power Manager minimizes the impact of locked-up routers, servers and other network devices on business-critical networks. CLECs, ILECs, ISPs and enterprises use the Sentry 48DCWB-12-2X100-A1NB to manage equipment in remote sites, co-location facilities and network operation centers. Sentry 48DCWB-12-2X100-A1NB eliminates the need to dispatch a field service technician for manual intervention when devices lock-up. Using a 48DCWB-12-2X100-A1NB, the network operations center can quickly restart locked-up remote network servers to ensure that the network is fully operational around the clock.

Sentry 48 VDC provides immediate operational cost savings, including:

> Reduced field service visits
> Improved problem/solution response time
> Improved network availability
> Improved facility security

Eliminate the Need for a Separate Power Distribution Panel

The Sentry 48DCWB-12-2X100-A1NB is an intelligent unit that combines the functions of a power distribution panel and remote power management unit into a 2U 19" rack-mounted enclosure. Sixteen output terminal connections (eight per input) are rated to switch 10 amps. Each outlet is protected by interchangeable GMT fuses allowing for adjustments to be made on site.

Measurement Features

Use RS-232 and/or TCP/IP to monitor the status of key measurement values. Receive SNMP or email alerts as well as Syslog when a measurement value is out of a predefined threshold:

> Input Feed/Outlet "On Sense" - Verifies power at each power input/outlet connection

> Load Sense - Provides an accurate, real time measurement of the current draw, in amps, for each power outlet.

> Environmental Sensors - Supports two external probes that each measure temperature and humidity

Model Number and Technical Specifications

Model
48DCWB-12-2X100-A1NB (Master)
48DCXB-12-2X100-A1NB (Expansion)

Power Input
> Two (2) 100A power input terminal blocks (+/- & G), -48 VDC nominal (-40 VDC to -60 VDC)

Power Output
> Four (4) 70 amp outputs (2 per power input) and Eight (8) 10 amp outputs (4 per power input)
> Each outlet individually protected by a TPC or GMT fuse as specified by user
> Available TPC fuses: 10, 15, 20, 25, 30, 40, 50, 60, and 75 amp
> Available GMT fuses: 0.75, 1.0, 1.5, 2, 3, 5, 7.5, and 10 amp

Communications and Security
> 10/100 BaseT Ethernet
> HTTP/HTTPS
> SSLv3/TLSv1
> SNMPv2c & v3
> SSHv2
> Telnet
> LDAPS/LDAPv3
> TACACS+
> RADIUS
> RS-232 (Serial)

Dimensions
> 2U, 89 x 432 x 442 mm
[3.50 x 17.0 x 17.4 in.]

Agency Approvals
> NEBS Level 3
> GR-1089-Core: Sections 1-4, 7, 9, and 10
> GR-63-Core: Sections 4.1, 4.2, 4.3, 4.4, 4.5, and 4.7
> ESTI: 300 019-2-1, -2, and -3
> ESTI: EN 300 132-2 V2.2.2: 2007-10
> US & Canada (cTUVus Mark) to UL 60950-1:2007 and CAN/CSA 22.2 No. 60950-1-07
> EU (TUVGS Mark) to EN 60950-1:2006 +A11
> FCC Class A, Part 15
> CE Mark

Accessories
> EMTH-1-1 Combination Temperature/Humidity Probe, 10ft (3m)
> EMCU-1-1B Environmental Monitor adding
- Two (2) EMTH-1-1 Temperature/Humidity Probes (one included)
- One (1) EMWS-1-1 Water Sensor (sold separately)
- Four (4) Dry Contact (NO/NC) monitoring points
- One (1) 8-bit analog-to-digital converter (0 to 5VDC)

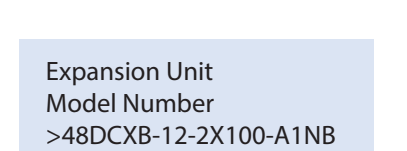
> SPM (Sentry Power Manager)
- Monitor and manage multiple PDUs from a single point
- Monitor and manage alarm conditions
- Create reports and trends on stored data
- Control and analyze power usage per power supply and device
- Optional appliance or virtual version

Warranty
> 2 years

vmware READY

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Expansion Unit
Model Number
>48DCXB-12-2X100-A1NB



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