

48DCWC-10-2X300-E0NB (Primary)

48DCXC-10-2X300-E0NB (Link)

The Server Technology® -48VDC Switched PDU provides control of outlet power and per-outlet current measurement through the build-in Web and CLI interfaces as well as through SNMP. Temperature and humidity measurements can be provided via optional probes. The Switched "Primary" PDU can be connected to a Switched "Link" PDU to extend the network access to the redundant or secondary power feed.

Key Features



Network Monitoring

Gain access to valuable data through connections including HTTP(S), SSH, Telnet, SNMP, (S)FTP, SMTP, Syslog, LDAP(S), RS-232 serial, and more.



Star Multi-Linking

PRO2 provides the ability to link up to four power circuits using one IP address. Primary Expansion PDU provides backup power to network card.



IP Access, Security & Communications

Web, SSH, Telnet, SNMPv2c & v3, RS-232 serial, 10/100 Base T-Ethernet, LDAP(S), TACACS+, RADIUS, DHCP, & SMTP/email.



Output Current Monitoring

Network monitoring provides access to current draw at each output and alerts when high usage risks a tripped circuit.



Hot-Swap Network Card

Network access is ensured when power is lost to the Primary unit with backup power provided by the Linked unit.



Temperature/Humidity Monitoring

Primary and Expansion (select products) units each support two external 10' (3m) T/H probes. Receive SNMP-based alerts and email notifications.



Disconnect Rated Circuit Protection

Each output is protected by a fuse or circuit breaker and is rated for hot disconnect.



Output Control

Cycle power to individual outputs or groups of outputs to reboot devices or to power off unused terminals.

Inputs

Input Voltage (V):	-48
Input Terminal:	(2) x 3/8-16 dual-studs on 1 in. centers (300A max)
Input Current (A):	600
Input Current Rated (A):	600
Input Power Capacity (kW):	28.8

Outputs

Terminals: (10) x 1/4-20 dual-studs on 5/8 in. center (125A max)

Branch Circuit Protection

User to select TPC fuses or breakers:

FUSE-TPC-10	10A Bussmann Telpower fuse
FUSE-TPC-15	15A Bussmann Telpower fuse
FUSE-TPC-20	20A Bussmann Telpower fuse
FUSE-TPC-25	25A Bussmann Telpower fuse
FUSE-TPC-30	30A Bussmann Telpower fuse
FUSE-TPC-40	40A Bussmann Telpower fuse
FUSE-TPC-50	50A Bussmann Telpower fuse
FUSE-TPC-60	60A Bussmann Telpower fuse
FUSE-TPC-75	75A Bussmann Telpower fuse
FUSE-TPC-100	100A Bussmann Telpower fuse
FUSE-TPC-125	125A Bussmann Telpower fuse

CB-0005-030G	30A Carling Bullet Style Circuit Breaker
CB-0005-050G	50A Carling Bullet Style Circuit Breaker
CB-0005-060G	60A Carling Bullet Style Circuit Breaker
CB-0005-070G	70A Carling Bullet Style Circuit Breaker
CB-0005-080G	80A Carling Bullet Style Circuit Breaker
CB-0005-100G	100A Carling Bullet Style Circuit Breaker

Physical

Dimensions: 5.25in tall x 17.0in wide x 22.0in deep [134mm x 432mm x 559mm]

Environmental

Operating Environment: 32°F to 122°F / 0°C to 50°C | 8%RH to 90%RH non-condensing | 6,500ft/2km elevation

Storage Environment: -40°F to 185°F / -40°C to 85°C | 8%RH to 90%RH non-condensing | 50,000ft/15km elevation

Quiescent / Unloaded Power Draw: < 10W for all configurations

Communications & Security

10/100 Mbps Ethernet (RJ-45 connector), RS-232 serial (RJ-45 connector)

Two (2) temperature/humidity sensor inputs (4P4C), Link port (RJ-12) - {also on Link PDU}

Web-browser GUI and command-line interface (CLI): HTTP/HTTPS, TLSv1.2, SSHv2, Telnet, SNMPv2c and v3 (GET, SET, Traps), IPv4 and IPv6, LDAPv3/LDAPS, TACACS+, RADIUS, FTP/SFTP

Certifications

North American:

Safety (Listed & Certified, cTUVus mark)

UL 62368-1

CSA C22.2 No. 62368-1

EMC

FCC Part 15 Subpart B Sections 15.107 & 15.109, Class A

CAN ICES-003, Class A

Global:

Safety

EN IEC 62368-1 (TUV certified, T-mark)

IEC 62368-1 incl. regional, national and harmonized differences (IECEE CB scheme) EMC

EMC

EN 55032 / CISPR 32

EN 55035 / CISPR 35

EN 61000-3-2 / IEC 61000-3-2

EN 61000-3-3 / IEC 61000-3-3

CE Mark

2011/65/EU (RoHS Directive)

2014/35/EU (Low Voltage Directive)

2014/30/EU (EMC Directive)

UKCA Mark

RoHS

Electrical Equipment (Safety)

Electromagnetic Compatibility

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

Measurement Accuracy

Output Measurement Specifications

125A Outputs:

Minimum current required: 1.25A

Maximum current measured: 125.5A

Displayed resolution: 0.1A

Accuracy: $\pm 5.0\%$

Optional Accessories

EMTH-2-10 Combination Temperature/Humidity Probe, 10ft (3m)

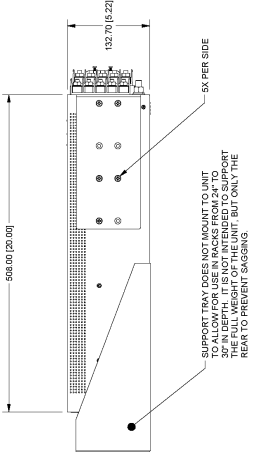
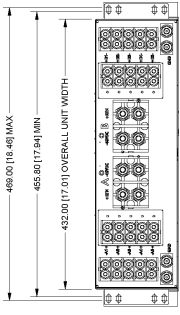
EMCU-1-1C Environmental Monitor adding:

- Two (2) EMTH-2-10 temperature/humidity ports (one probe included)
- One (1) EMWS-1-1 water sensor port (probe sold separately)
- Four (4) dry contact (NO/NC) monitoring points
- One (1) 8-bit analog-to-digital converter (0 to 5VDC)

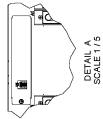
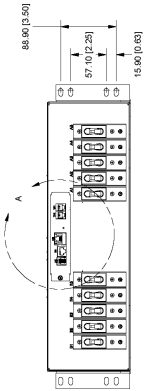
KIT-SUS-01 StartUp Stick™ for rapid configuration Mounting Brackets

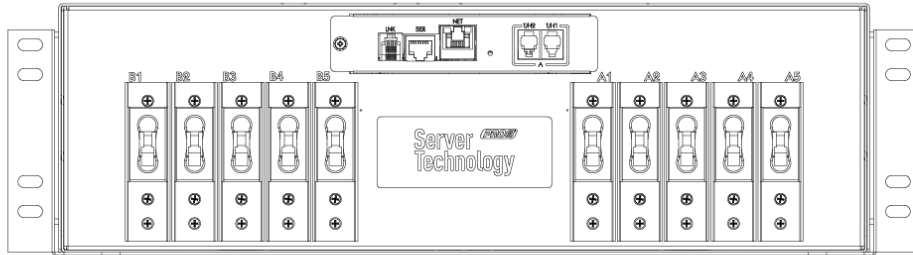
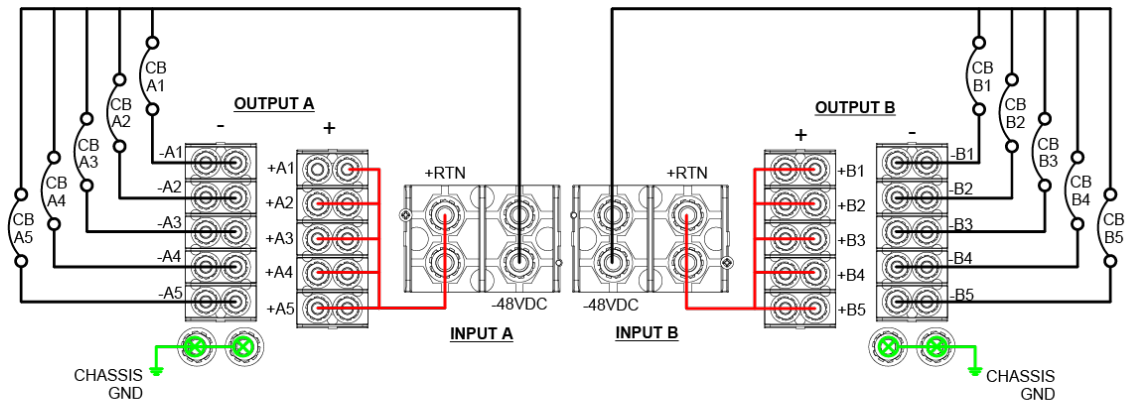
- mounting brackets included
- See the Mounting Bracket Guide for further suggestions
- Custom mounting options available. Contact your local Server Technology representative

Drawings



SUPPORT TRAY FEES NOT MOUNT TO UNIT TO ALLOW FOR USE IN RACKS FROM 24" TO 32" IN DEPTH. THIS IS NOT INTENDED TO SUPPORT THE UNIT IN AN INVERTED POSITION. USE REAR TO PREVENT SAGGING.





Part Number	Expansion	Certification	Input	Output		
Master	Expansion	Rating Standard	Rating	A or B Combined Outputs	A1-8	B1-8
48DCWC-10-2X300-E0NB	48DCXC-10-2X300-E0NB	cTUVus / T-Mark	A & B: -48 VDC <= 300 A	<= 300 A	<= 125A each	<= 125A each

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Additional Information

Warranty: Server Technology offers a standard 2-year limited parts & labor warranty. Extended support is available at the time of purchase. See the Support Options on the website, or contact your local Server Technology representative for more information.

Patents: Information on Server Technology patents is available on the website at: www.servertech.com/products/patents

"Global" models are typically for use in countries outside of North America. Contact your Server Technology representative for more information about which models are appropriate for your application.

Information in this document is current as of time of publishing. Contact your Server Technology representative for the most up-to-date information. This datasheet was generated on: 3-Oct-2023

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