



an EnerSys company

Z-PDU

Zero RU 48Vdc Power Distribution Unit



- Eliminates the use of valuable revenue-generating RU space within network equipment cabinets
- Mounts on the rear of almost any cabinet allowing for ease of access to secondary load connections
- Connectorized secondary outputs permit ease of installation to network equipment
- 125A PDU (100A continuous rating) allows for better utilization of upstream feed (BDFB or power board)
- Built-in monitoring of total PDU current, bus voltage, and main breaker trip

The convergence of computing, storage, and networking is creating a surge in the deployment of DC-powered, IT-style equipment in telecom central offices, data centers, and cable MSOs.

Typically, this equipment is mounted in IT cabinets within the facility due to its size. However, the compact footprint and high current drain of the IT equipment complicate the installation, especially when the distribution of DC power to each device is provided by a rack-mounted Power Distribution Unit. Alpha's Z-PDU series of Zero RU 48Vdc Power Distribution Unit solves this problem by delivering DC power distribution without occupying valuable rack space in the IT cabinet.

Alpha's Z-PDU series provides up to 20 secondary circuits on a 125A (100A continuous) unit. Each circuit can deliver up to 40A. The unit can be installed in the rear of almost any cabinet providing network installers with easier access to secondary circuits. And connectorized outputs significantly improve the ease of installing network gear.

The Z-PDU features the ability to monitor total PDU current, bus voltage, and main breaker trip signals through use of Alpha's L-ADIO connected to a centralized Alpha CXC-HP system controller.

Z-PDU Zero RU 48Vdc Power Distribution Unit

07/2019

P/N: 0200240-001

Electrical	
Input Voltage:	32Vdc-60Vdc
Output Voltage:	32Vdc- 60Vdc
Total PDU Current:	100A max (continuous)
Main Protection Breaker:	125A
Secondary Load Circuits:	40A max (continuous)
Mechanical	
Dimensions:	cm: 83.1H x 6.35W x 8.5D inches: 32.70H x 2.5W x 3.35D
Input Load Connections:	Dual ¼" studs on ½" centers
Output Load Connections:	Available DC connector cables
Signal Connection & Alarm	
Terminal Connections:	Wire Size: #24-12 AWG (0.2-3.31mm ²) Type: M3 screw Torque: 0.5-0.6 Nm
Signal & Alarming	
<ul style="list-style-type: none"> • Total PDU current from built-in 150A, 50mV shunt • PDU bus voltage • PDU main breaker trip 	
Environmental	
Temperature:	0 to 40°C (32 to 104°F)
Humidity:	0 to 95% RH non-condensing
Elevation:	-500 to 2800m (-1640 to 9186ft)
Agency Compliance	
Safety:	CSA C22.2 No. 60950-1

Ordering Information	
P/N	Description
0200240-001	ZRU 48Vdc PDU, 20 Positions
8701093-001	Cable Harness, #14 AWG, 72" Length, Black/Red w/Molex Connector
8701093-002	Cable Harness, #14 AWG, 72" Length, Black/Blue w/Molex Connector
8701093-003	Cable Harness, #12 AWG, 72" Length, Black/Red w/Molex Connector
8701093-004	Cable Harness, #12 AWG, 72" Length, Black/Blue w/Molex Connector
8701093-005	Cable Harness, #10 AWG, 72" Length, Black/Red w/Molex Connector
8701093-006	Cable Harness, #10 AWG, 72" Length, Black/Blue w/Molex Connector
8701093-007	Cable Harness, #8 AWG, 72" Length, Black/Red w/Molex Connector
8701093-008	Cable Harness, #8 AWG, 72" Length, Black/Blue w/Molex Connector

