

Edge-DC-48VDC Power Distribution Unit



The nVent Edge-DC-48VDC Power Distribution Unit (DCDU) is designed to provide efficient, safe, and reliable power distribution for telecom and edge computing environments. This unit ensures optimal performance and protection for your critical infrastructure.

FEATURES

High Power Capacity: Robust 250 A 48 VDC input

Blind Mating Capability: Supports switched and metered DC Modules from 10 A to 60 A

Circuit Breaker Trip Alarm: Immediate notification for enhancing response times

Compliance with Industry Standards: UL/CE certified

Hot Swappable Breakers with Precise Metering: For energy, power, current, and voltage at both input and device levels

Granular Control with Device Level Switching: Management of individual devices for optimized performance

Billing Grade Monitoring: Identification of potential system failures

Smart Alerting System: Informs about overcurrent, overvoltage, undervoltage, and other threshold breaches

Controller Interface: TCP or IP network connection

Local Management: Features front panel push-button to toggle module output. Panel status LED indicator quickly relays module information to local user



SPECIFICATIONS

Table 1/2

Catalog Number	Product Type	Circuit Breaker	Circuit Breaker Quantity	Input Voltage DC	Metering Type	Number of Switched Outlets
21280-001	Power Distributor	- 48 VDC 60 Amp, - 48 VDC 35 Amp	10	-48V min	Outlet	(2) 60 A, (8) 35 A
21280-002	Power Distributor	- 48 VDC 60 Amp, - 48 VDC 35 Amp	8	-48V min	Outlet	(4) 60 A, (4) 35 A
21280-003	Power Distributor	- 48 VDC 35 Amp	8	-48V min	Outlet	(8) 35 A

Table 2/2

Catalog Number	Rack Height	Rack Width	Rated Current	Type
21280-001	3U	84HP	250A	- 48 V DCDU

Catalog Number	Rack Height	Rack Width	Rated Current	Type
21280-002	3U	84HP	250A	- 48 V DCDCU
21280-003	3U	84HP	250A	- 48 V DCDCU

ADDITIONAL PRODUCT DETAILS

For exact configuration please refer to the item(s) delivered table.

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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