DPD 301 Series

Power Distribution Unit



The 1RU DCPDU (Power Distribution Unit) belongs to the Delta product series. The compact mechanical design can fit in any standard EIA power rack.

Independent branch design supports total 300A power distribution. Due to the intelligent breaks and maximum support for 12 x 63A frame breakers and 8 x 125A frame breakers, the DPD 301 series provides high reliability and flexibility, and customers can easily program the Delta intelligent controller to meet a variety of telecom application needs.

Key Features

- 1 RU compact design, saves valuable rack space.
- 63A and 125A breakers mixed application.
- Breaker status detection. (Voltage/Current/Temperature).
- Programmable via Delta controller

Applications

- 3G / 4G / 5G
- Fixed Line
- Datacom

DPD 301 Series



EIAKAM-00-TC

INPUT

Voltage (range)	40 – 60 V_{DC}, 300A (Max.)
Voltage (nominal)	48 V_{DC}
Connections	DC Busbar M8 Screw (Cable: 35-50mm^2)

OUTPUT

Capacity @48V	300A, Breaker 63A x12 support 63/125A breaker mixed plug
Power Distributions	6x63A + 1x125A 03 spare positions for Breaker 63A.
Applicable Breaker Type	Push-in Type breaker, Cable: 0.75-16mm2(63A type), 25-35mm2(125A type), cable lancing x1
Protection	Overload, Short circuit
SPD	Differential-mode: ≥ 10 kA Common-mode: ≥ 15 kA

CONTROL/ALARM

LVLD Control/Alarms*	Intelligent Breaker with LVLD, ON/OFF control and monitoring, current sensing, voltage, power and energy monitoring, breaker trip alarm IMBUS port x2, RS485 x1, front access connection. Remote control and monitoring via Delta controller (supports 2 pcs serial connection).

MECHANICAL

Dimensions (W x H x D)	482.6 x 44 x 410 mm (19 x 1.73 x 16.14 in), Suitable with 19 inches standard rack
Weight	approx. 7 kg, breaker included
Surface Treatment	Powder-coated galvanized steel

ENVIRONMENTAL

Operating Temperature	0 to +60°C (+32 to +140°F)
Storage Temperature	-40 to +75°C (-40 to +167°F)
Altitude	0 to +3000 m
Related Humidity	5 – 95% RH non-condensing
IP Protection	IP 20

STANDARDS

Safety	IEC 62368-1 compliance design
Environment	RoHS

ORDERING INFORMATION

Model name: DPD 301 Series	P/N: DD301F -005S-A

* CANBUS LVDS control and load breaker tripped alarm functions with Delta controller
All specifications are subject to change without prior notice.

Delta Electronics Inc.
16 Tungyuan Road, Chungli Industrial Zone,
Taoyuan City 32063, Taiwan.
T +886 3 452 6107 / **F** +886 3 452 7314
www.deltaww.com



powerbox
Powering Progress

Authorised, valued-added distributor

Australia & New Zealand



Powerbox Australia Pty Ltd
Sydney Head Office
4 Beaumont Road,
Mt Kuring-Gai, NSW 2080
Australia

1800 251 380

sales@powerbox.com.au

powerbox.com.au

Powerbox Pacific Ltd
New Zealand Sales Office
1a Henry Rose Place,
Albany, Auckland
New Zealand 0632

09 4158 320

sales@powerbox.co.nz

powerbox.co.nz