

Power system

DPS 300B / 600 B- 48 - 2

Description

DPS 300 B / 600 B - 48 - 2 belongs to Delta CellD product series. This high density system is optimal for space critical applications. Integrated modular system allows flexible adaptations.

The system includes up to two rectifiers, AC and DC connections, battery connection and PSC 1 & PSC 3 controller Unit. In advanced supervision, short depth and easy installation are the success factors of the system.

Delta is known for quality and product reliability – in this solution that has been combined to cost-effectiveness.

Main features

- Power up to 1.2 kW / 0.6 KW, high power density
- Dimensions (H x W x D): 44.45 x 430 x 281 mm
- Full power at complete range 90 – 310 V_{RMS}

Applications

- Wireless applications, network base stations
- Fixed line applications, data communications
- Delta OutD systems.



Building on extensive R&D, effective modular production and fully customized solutions, Delta offers both InD – indoor – and OutD – outdoor - power systems. The products fall in categories of CellD, MidD and CabD based on size of the systems.

CellD systems are small and fit into various applications. The products in this series are particularly designed for installations where space is limited. The power range of CellD series is typically 0.3 - 10 kW.



Technical specifications

1. Input	
Mains connection	L + N + PE : 230 V _{RMS} terminal block
Voltage range	80 – 300 V _{RMS}
Reduced power	80 - 130 V _{RMS} (DPR 600B-48)
Frequency	45 – 65 Hz
Inrush current	<ul style="list-style-type: none">• 12 Arms (DPR 600B-48) / rectifier• 6 Arms (DPR 300B-48) / rectifier
THD	< 5 %
Transient protection	external

2. Output	DPR 600B-48	DPR 300B-48
Nominal system voltage	54 V _{DC}	
Voltage range	42 V -58 V _{DC}	
Maximum current	28 A	14 A
Maximum power	1.2 kW	0.6 KW
Power nominal	1200 W	600 W
Power ,redundant	600 W	300 W
Power at 88 V _{rms}	800 W	600 W
Over Voltage protection	59.5 V _{DC} ±0.5 V _{DC}	

3. Other information	
Battery terminals	Screw terminal 6 mm ²
Battery fuses	2 x 40 A
Load terminals	Screw terminal 4 mm ²
Load fuses	3 x 10A + 3 x 20A

4. General	
Efficiency	≥ 92 % (DPR 600B-48) ≥ 91.5 % (DPR 300B-48)
Number of rectifiers	2 (max)
Control and monitoring	PSC 1 PSC 3
Battery connection	Through fuse of 40Amps
Battery	external
Dimensions (H x W x D)	44.5 x 482 x 254 mm
System weight (w/o rectifiers)	5 kg
Rectifier weight	0.9 kg
Standards	
<ul style="list-style-type: none">• Safety	EN 60950, class I UL 60950 IEC 60950-1
<ul style="list-style-type: none">• EMC	EN 55022
<ul style="list-style-type: none">• Environment	RoHS compliant
Operating temperature	- 25 °C - +75 °C

Subject to change without notice.



Delta Energy Systems (India) Pvt .Ltd .

Plot No. 27 to 31 , Sector -34 ,EHTP , Gurgaon – 122001 , Harayana ,India

Phone: +91 -124-4169040, Fax: +91 -124-4036045

www.deltaelectronicsindia.com