

# Power system

## DPS 850B-48-3

### Description

DPS 850B-48-3 belongs to Delta CellD product series. This high efficient and extreme compact system is an optimal solution for space-critical applications.

The system includes up to three high efficiency rectifiers, AC and DC connections, battery connection and either Delta PSC 3 or CSU 502 controller. In addition to 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 optimize the total cost of ownership.

### Main features

- 19" CellD system up to 2.55 kW
- 1U shelf height
- Fit into 300 mm deep ETSI cabinets
- All connections easy accessible at the rear
- All battery and load breakers accessible at the front
- Option for enhanced monitoring and controlling

### Applications

- Wireless applications, network base stations, LTE
- Fixed line applications, broadband services
- Transmission



*Our product portfolio includes both indoor and outdoor power systems building on extensive R&D, modular production and customization. InD and OutD categories with CellD, MidD and CabD series can meet any of your size and location requirements.*

*CellD systems are small enough to fit into various applications. The products in this series are particularly for installations where space is limited. The power range of CellD series is typically 0.3 - 17.4 kW.*



## Technical specifications

1. Input	
AC connection	L + N + PE
Nominal voltage	208 / 220 / 230 / 240 V <sub>RMS</sub>
Voltage range	80 - 300 V <sub>RMS</sub>
Frequency range	45 - 66 Hz
Current nominal / phase	15 A <sub>RMS</sub>
Mains terminal	Terminal blocks
Input protection, recom.	20 A
Transient OVP	external

2. Output	
Voltage range	42 - 58 V <sub>DC</sub> ; 53.5 V <sub>DC nom</sub>
Power, nominal	2.55 kW
Load connection	2 x 18 A (30 A breakers) 2 x 10 A (20 A breakers) 2 x 5 A (12 A breakers)
Battery MCB	2 x 50 A
LVD	Yes
Battery connections	Terminal blocks
Load connections	Terminal blocks

Ordering information	
Part number	TPS110022_ <sup>*1</sup> TPS110023_ <sup>*2</sup>

3. General	
Height, overall	43.4 mm (1U)
Width, body	437.4 mm (19")
Depth, overall	270 mm
Weight, system	4.2 kg
Efficiency	95.2 %
Ambient temperature	-40 - +75 °C
Relative humidity	95 % max, non cond.
Safety	IEC/EN 60950
EMC	EN 300 386
Controller	PSC 3 <sup>*1</sup> CSU 502 <sup>*2</sup>
Rectifier	DPR 850B-48

Subject to change without notice.



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