

# Power system

## DPS 850B-48-6 19IN

### CellID 100

#### Description

DPS 850B-48-6 19IN (CellID 100) belongs to Delta CellID product series. This high efficient and extremely compact system is an optimal solution for space-critical applications.

The system includes up to six 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

- 19IN CellID system up to 5.1 kW
- 2U height
- 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 CellID and CabD series can meet any of your size and location requirements.*

*CellID 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 CellID series is typically 0.3 - 17.4 kW.*



## Technical specifications

1. Input	
AC connection	6 x (L + N + PE) or 3L + 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	4 A <sub>RMS</sub> per rectifier, 3x8 A (3L+N+PE)
Mains terminal	Terminal blocks
Input protection, recom.	6 A per single rectifier, 3x10 A (3L+N+PE)
Transient OVP	external

2. Output	
Voltage range	42 - 58 V <sub>DC</sub> ; 53.5 V <sub>DC,nom</sub>
Power, nominal	5.1 kW
MCB	1 - 12 pcs / 2 - 30 A
Battery MCB	2 x 100 A
LVD	Yes
PLD	Optional
Battery connections	Terminals
Load connections	Terminals

Ordering information	
Product line number	3791591000

3. General	
Height, overall	86,8 mm (2U)
Width, body	444 mm (19")
Depth, overall	300 mm
Assembly sliding mechanism	Optional ~85 %
Weight, system	7.0 kg
Efficiency	95.2 %
Ambient temperature	-40 - +65 °C
Relative humidity	95 % max, non cond.
Safety	IEC/EN 60950
EMC	EN 300 386
Controller	PSC 3 CSU 502
Rectifiers	Max 6 x DPR 850B-48

Subject to change without notice.



**Delta Energy Systems (Finland) Oy**  
 Juvan teollisuuskatu 15, FIN-02921 Espoo  
 Phone: +358 9 849 660, Fax: +358 9 8496 6100

[www.deltapowersolutions.com](http://www.deltapowersolutions.com)