

# Power system

## DPS 300C-48-4

### Description

DPS 300 C - 48 - 4 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 four rectifiers, AC and DC connections, battery connection and Alarm Controller Unit (ACU). In addition to full performance at elevated temperature, wide input voltage range, 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, high power density
- Dimensions (H x W x D): 44.5 x 482 x 254 mm
- Full power at complete range 90 – 310 V<sub>RMS</sub>

### 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 <sub>RMS</sub> terminal block
Voltage range	85 – 310 V <sub>RMS</sub> (Full Power)
Frequency	45 – 65 Hz
Inrush current	< 4A peak / rectifier
THD	< 5 %
Transient protection	external

2. Output	
Nominal system voltage	54 V <sub>DC</sub>
Voltage range	42 V -58 V <sub>DC</sub>
Maximum current	25 A @ 48 V <sub>DC</sub>
Maximum power	1.2 kW
Over Voltage protection	59.5 V <sub>DC</sub> ±0.5 V <sub>DC</sub>

3. Other information	
Battery breaker	1 x 30 A
Load breaker	1 x 30 A
Low Voltage Disconnect	1 x 30A on Battery Side
Relay Output ( PFC)	4 - Configurable

4. General	
Efficiency	89 %
Number of rectifiers	4 (max)
Control and monitoring	Alarm Control Unit
Battery connection	Through breaker of 30Amps
Battery	external
Dimensions (H x W x D)	44.5 x 482 x 254 mm
System weight (w/o rectifiers)	6 kg
Rectifier weight	1kg
Standards	
• Safety	EN 60950, class I UL 60950 IEC 60950-1
• EMC	EN 55022
• Environment	RoHS compliant
Operating temperature	- 40 - +75 °C
Relative humidity	95% max , non condensing

Subject to change without notice.