

Power system

DPS 2700C/ 2000C - 48 - 2

Description

DPS 2700 C / 2000 C - 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 Alarm Controller Unit (ACU). In addition to advance supervisory control unit, 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 4 kW, high power density
- Dimensions (H x W x D): 89 x 482 x 298 mm
- Complete maintenance from front access

Applications

- Wireless applications, network base stations
- Fixed line applications, data communications
- 3G/Wimax site Application



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 for Phase, neutral & earth
Voltage range	90 – 310 V _{RMS} 176 – 310 V _{RMS} (Full Power)
Frequency	45 – 65 Hz
Inrush current	< 16A peak / rectifier
THD	< 5 %
Transient protection	external

2. Output	2000 W	2700 W
Nominal system voltage	54 V _{DC}	54 V _{DC}
Voltage range	40 V - 59 V _{DC}	40 V - 59 V _{DC}
Maximum current	83 A @ 48 V _{DC}	112 A @ 48 V _{DC}
Maximum power	4 kW	5.4 kW
Over Voltage protection	59.5 V _{DC} ± 0.5 V _{DC}	
Load distribution	Upto 4 MCBs (max), of max 63 A	

3. Other information	
Battery breaker	2 x 63 A
Load breaker	1 x 63 A
	1 x 40 A
	2 x 20 A
Low Voltage Disconnect	1 x 100A on Battery Side
Relay Output (PFC)	4 - Configurable

4. General	
Efficiency	≥ 92 %
Losses , max.	< 170 W per rectifier
Number of rectifiers	2 (max)
Control and monitoring	Alarm Control Unit
Battery connection	2 MCBs, 63 A (max) each LVD 100 A (max)
Battery	external
Dimensions (H x W x D)	89 x 482 x 298 mm
System weight (w/o rectifiers)	8 kg
Rectifier weight	1.64 kg
Standards	
• Safety	EN 60950, class I UL 60950 IEC 60950-1
• EMC	EN 55022
• Environment	RoHS compliant
Operating temperature	- 20 °C - + 65 °C
Relative humidity	95% max , non condensing

Subject to change without notice.



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