

CellD 40

Power system

Description

CellD systems are small, just like cells. They can be embedded in the telecom infrastructure and are often used in OutD outdoor solutions. The products in this series are light and designed especially for installations with limited space offering high density of the installed power.

The system includes high efficiency rectifiers, AC and DC connections, battery connection and either ORION or PSC 3 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 rack mounted system up to 2.55 kW

Complete integrated system in 1U

High efficiency rectifiers up to 95,2 %

All connections easily accessible from the top, or optionally rear side

All battery and load breakers accessible at the front

Sliding mechanism to support easy access to the top output connections

Option for enhanced monitoring and controlling

Applications

Wireless applications, network base stations, LTE

Fixed line applications, broadband services

Transmission



CellID 40

Power system

Technical specifications

DPS 850B-48-3 CellID 40

Rectifier module	DPR 850B-48 (max. 3 pcs.)
Efficiency	95.2 %
Install power (max. config.)	2.55 kW
Input current (per 1 phase)	12 A _{RMS}
Input protection (recom.)	25 A gL/gG type
Height (overall)	43.6 mm (1U)
Width (body)	444 mm (19")
Depth (overall)	280 mm
Weight	4.1 kg

AC input

AC configuration	(L + N + PE)
Input voltage range	80 ... 300 V _{RMS}
Frequency range	45 - 66 Hz
Mains connection	Screw terminals/ optionally 2 m cable (schuko / open end)
Input protection	N loss Internal OVP Inbuilt fuses (L+N) High input voltage

DC output

Output voltage range	42-58 V _{DC} ; 53.5 V _{DC nom.}
Output current (max.)	40 A
Load breakers	6 x (2 - 30 A) or 2 x (6 - 50 A)
Battery breakers	2 x 50 A
LVD (battery)	Yes
PLD (not critical loads)	No
Output protection	Inbuilt fuses (both poles) Over-temperature protection

Control / Monitoring

Controller	ORION or PSC 3
Local interface	Display, menu structure, key-pads, LEDs
Remote monitoring	6 alarm relays, modems, WEB Interface, SNMP protocol

Others

Operating temperature	-45 - +65 °C
Humidity (relative)	95 % max, non cond.
Environment standard	ETSI EN 300 019-1-3
Safety standard	IEC 60950
EMC standard	EN 300 386

Ordering

System	3799321900
Rectifier	TPS1010004B-PML-M

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