



Illustrative photo

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

Application

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

Description

CellID 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 Delta ORION or PSC3 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.

Technical specification

General information	CellD 40
Rectifier module	DPR 850B-48 (Max. 3pcs.)
Efficiency	95.2%
Install power (max. config.)	2,55kW
Input current (per 1 phase)	12 A _{RMS}
Input protection (recommended)	16 A, type gL/gG
Height	43.6 mm (1U)
Width	444 mm (19")
Depth	280 mm
Weight	4.1 kg

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

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, keypads, LEDs
Remote monitoring	6 alarm relays, modems, WEB Interface, SNMP protocol

Other	
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 information	
System	3799321900
Rectifier	TPS1010004B-PML-M

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