

# CellD 20

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 ORION 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 1.7 kW
- Complete integrated system in 1U
- High efficiency rectifiers up to 95,2 %
- All DC connections easily accessible on the front panel
- 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

# CellID 20

## Power system

### Technical specifications

DPS 850B-48-2 CellID 20	
Rectifier module	DPR 850B-48 (max. 2 pcs.)
Efficiency	95,2 %
Install power (max. config.)	1,7 kW
Input current (per 1 phase)	2x 4 A <sub>RMS</sub>
Input protection (recom.)	2x 16 A gL/gG type
Height (overall)	43.6 mm (1U)
Width (body)	444 mm (19")
Depth (overall)	298 mm
Weight	3,9 kg

AC input	
AC configuration	2L + N + PE, optional bridging
Frequency range (selectable)	80 ... 300 V <sub>RMS</sub>
Frequency range	45 - 66 Hz
Mains connection	Screw terminals/ optionally
Input protection	N loss Internal OVP Inbuilt fuses (L+N) High input voltage

DC output	
Output voltage range	42-58 V <sub>DC</sub> ; 53.5 V <sub>DC nom.</sub>
Output current (max.)	30 A
Load breakers	5 x (2 - 30 A)
Battery breakers	1 x 30 A
LVD (battery)	Optional
Output protection	Inbuilt fuses (both poles) Over-temperature protection

Control / Monitoring	
Controller	ORION touch
Local interface	Display with touch panel
Remote monitoring	6 alarm relays, modems, WEB Interface, SNMP protocol

Others	
Operating temperature	-40 - +65 °C
Humidity (relative)	95 % max, non cond.
Environment standard	ETSI EN 300 019-1-3
Safety standard	EN 62368-1
EMC standard	EN 300 386

Ordering	
System	3799890900
Rectifier	TPS1010004C-PML-M