

CellID 600

Power system



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 Delta 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 34.8 kW
- Integrated distribution unit + rectifier shelf 6U ... 8U
- High efficiency rectifiers up to 96.4 %
- All connections easily accessible from the top
- 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

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Technical specifications

	DPS 2900B-48-9/12	DPS 4000B-48-5
Rectifier module	DPR 2900B-48 (9 or 12 pcs.)	DPR 4000B-48 (max.5 pcs.)
Efficiency	96,4 %	95 %
Install power (max. config.)	34.8 kW	20 kW
Input current (per 1 phase)	34 ARMS	48 ARMS
Input protection (recom.)	2 x (3 x 40 A)	3 x 50 A
AC configuration	2 x (3L + N + PE)	3L + N + PE
Height	311-355 mm (7-8U)	266 mm (6U)
Width	449 mm (19")	449mm (19")
Depth	341 mm	456 mm
Weight	30 kg	25 kg

AC input	
Input voltage range	80 ... 300 VRMS
Frequency range	45 - 66 Hz
Mains connection	Cable / Screw terminals
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.)	600 A
Load breakers	10 - 15 x MCB
Battery breakers	6 - 9 x MCB (up to 125A) 3 - 4 x MCB (up to 200A) 2 - 3 x MCB (up to 300A)
LVD (battery)	Optional LVD or LVLD
PLD (non-critical loads)	Optional
Critical / non-critical loads con- figuration	7 x MCB + 8 x MCB or 3 x MCB + 7 x MCB (option)
Output protection	Inbuilt fuses in rectifiers (both poles), Over-temperature protection

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

Ordering	
System	3799671200
DPR 2900B-48 96.4 %	ESR-48/56B F C-A
DPR 4000B-48	TPS1010016C

Others	
Operating temperature	-40 - +45 °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

