

CellID 100 Power System



Illustration photo

General Features

- 19in rack mounted system up to 100 A load current
- Integrated 1U distribution unit + rectifier shelf 1U
- High efficiency rectifiers up to 96,4 %
- All connections easily accessible from the top or optionally on the rear panel
- 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 CSU 502 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 specifications

General information	DPS 850B-48-6 19IN	DPS 2900B-48-3 19IN
Rectifier module	DPR 850B-48 (max. 6 pcs)	DPR 2900B-48 (max. 3 pcs)
Efficiency	95,2 %	96,2 %
Install power (max. config.)	5.1 kW	8.7 kW
Input current (per 1 phase)	3 x 8 A _{RMS} (3L + N + PE)	max. 3 x 17 A _{RMS} (3L + N + PE)
Input protection (recom.)	3 x 10 A (3L + N + PE)	3 x 20 A (3L + N + PE)
Height (overall)	86.8 mm (2U)	86.8 mm (2U)
Width (body)	444 mm (19")	444 mm (19")
Depth (overall) (body)	300 mm	323 mm
Weight	7 kg	7 kg

AC Input	
AC configuration	3L + N + PE
Input voltage range	80 ... 300 V _{AC}
Frequency range	45 / 66 Hz
Mains connection	Screw terminals or 2m cable (IEC 60309-2 plug / open end)

DC Output	
Output voltage range	42 až 58 V _{DC} 53,5 V _{DC nom.}
Output current (max.)	100 A
Load breakers	12 pcs 2 - 30 A or 4 pcs 16 - 100 A
Battery breakers	2 x 100 A
PLD (non critical loads)	optional
LVD (battery)	Yes
Critical / non critical loads	breakers 6 pc / 6 pc or 2 pc / 2 pc
Output protection	Built-in fuses (both poles), Over-temperature protection

Control / Monitoring	
Controller	ORION, PSC 3
Local interface	Display, menu structure, keypads, LEDs
Remote monitoring	6 alarm relays, modems, WEB Interface, SNMP protocol

Other parameters	
Operating temperature	-40 to +65°C
Relative humidity	Max. 95% non cond.
Standards	ETSI EN 300 019-1-3 IEC/EN 60950 EN 300 386

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