

CellID 125 Power System



Illustration photo

General Features

- 19in rack mounted system up to 8.7 kW
- Integrated 19IN 3U power system
- High efficiency rectifiers up to 96.2 %
- All connections easily accessible from the top
- All battery and load breakers accessible at the front
- Sliding mechanism to support easy access to the 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 1600B-48-4 19IN	DPS 2900B-48-3 19IN
Rectifier module	DPR 1600B-48 (max. 4 pcs.)	DPR 2900B-48 (max. 3 pcs.)
Efficiency	92 %	96,2 %
Install power (max. config.)	6.4 kW	8.7 kW
Input current (per 1 phase)	19 A _{RMS} (L1), 9,5 A _{RMS} (L2 a L3)	max. 17 A _{RMS}
Input protection (recom.)	3 x 20 A	3 x 20 A
Height	133.5 mm (3U)	133.5 mm (3U)
Width	481.5 mm (19")	481.5 mm (19")
Depth (overall)	278.5 mm	329 mm
Weight	15 kg	15 kg

Input	DPS 1600B-48-4 19IN	DPS 2900B-48-3 19IN
AC configuration	3L + N + PE or 3 x (L + N + PE) or L + N + PE	
Input voltage range	80 ... 300 V _{AC}	
Frequency range	45 / 66 Hz	
Mains connection	Cable / Screw terminals	
Input protection	N loss, Internal OVP, built-in fuses (L+N), High input voltage	

Output	DPS 1600B-48-4 19IN	DPS 2900B-48-3 19IN
Output voltage range	42 ... 58 V _{DC} 53,5 V _{DC nom.}	
Output current (max.)	125 A	
Load breakers (18mm)	9 x MCB	11 x MCB
Optionally narrow load breakers (13mm)	12 x MCB	15 x MCB
Battery breakers	2 x MCB (80- 125 A)	
PLD (not critical loads)	100 A (option)	
LVD (battery)	200 A (standard)	
Critical / non critical (PLD) load (18mm)	5 x MCB + 4-6 x MCB (depending on rectifier type)	
Critical / non critical (PLD) load (13mm)	7 x MCB + 5-8 x MCB (depending on rectifier type)	
Output protection	Bulti-in fuses (both poles), High output voltage, 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

A2B, s.r.o. reserves the right to change any of the above without prior notice.(V112013)

A2B, s.r.o., Horská 1, SK – 010 03 Žilina – Považský Chlmec, Slovakia

☎: +421 41 5000 490, ☎: +421 41 5252 114, ✉: a2b@a2b.sk, 🌐: www.a2b.sk