

# CellID 125E

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 Touch 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 9 kW
- Integrated 19IN 3U power system
- High efficiency rectifiers up to 98%
- Front access for battery and load connections, cabling to left side
- 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-48-3	DPS 3000B-48-3
Rectifier module	DPR 2900B-48 (max. 3 pcs.)	DPR 3000B/E-48 (max. 3 pcs.)
Efficiency	96,4 %	96,4 % or 98,0 %
Install power (max. config.)	8,7 kW	9 kW
Max input current (per 1 phase)	17 A <sub>RMS</sub>	18,5 A <sub>RMS</sub>
Input protection (recom.)	3 x 20 A	3 x 20 A
Height	132 mm (3U)	132 mm (3U)
Width	441 mm (19")	441 mm (19")
Depth (overall)	359 mm	359 mm
Weight	8 kg	8 kg

AC input	
AC configuration	3~ 400V (3L + N + PE)
Input voltage range	80 ... 300 V <sub>RMS L-N</sub>
Frequency range	45 - 66 Hz
Mains connection	Screw terminals
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.)	125 A
Load breakers (18 mm)	9 x MCB (2900B-48-3) 12 x MCB (3000B-48-3)
Battery breakers	2 x MCB (80 - 125A)
LVD or LVLD (battery)	Optional
PLD (not critical loads)	Optional
Critical / non critical loads configuration	5 x MCB + 4 x MCB (2900B-48-3) 6 x MCB + 6 x MCB (3000B-48-3)

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

Ordering	
System	3799577600
Rectifier DPR 2900B-48 96,4 %	ESR-48/56B F C-A
Rectifier DPR 3000B-48 96,4 %	ESR-48/60AA-S
Rectifier DPR 3000E-48 98,0 %	TPS1010027A-PML-S

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

