

# CellD 600

## 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 Delta PSC 3 controller. In addition to advanced supervision, short depth and easy installation are the success factors of the system.

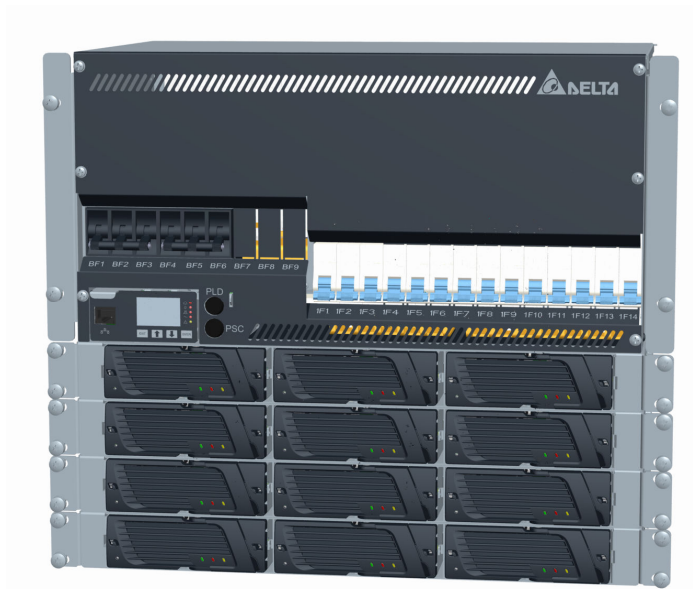
Delta is known for quality and product reliability – in this solution that has been combined to optimize the total cost of ownership.

### Main features

- 19in rack mounted system up to 34.8 kW
- Integrated 5U distribution unit + rectifier shelf 2U ... 4U
- High efficiency rectifiers up to 96,2 %
- 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



# CellID 600

## Power system

### Technical specifications

	DPS 2900B-48-12 CellID 600	DPS 4000B-48-5 CellID 600
Rectifier module	DPR 2900B-48 (max. 12 pcs.)	DPR 4000B-48 (max.5 pcs.)
Efficiency	96,2 %	95 %
Install power (max. config.)	34.8 kW	20 kW
Input current (per 1 phase)	26.5 A <sub>RMS</sub>	37 A <sub>RMS</sub>
Input protection (recom.)	2 x (3 x 40 A)	3 x 50 A
AC configuration	2 x (3L + N + PE)	3L + N + PE
Height	399 mm (9U)	311 mm (7U)
Width	480 mm (19")	480 mm (19")
Depth	375 mm	465 mm
Weight	30 kg	25 kg

AC input	
Input voltage range	80 ... 300 V <sub>RMS</sub>
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 <sub>DC</sub> ; 53.5 V <sub>DC nom.</sub>
Output current (max.)	600 A
Load breakers	14 x MCB
Battery breakers	9 x HMGB (up to 100A) 4 x HMGB (up to 200A) 3 x HMGB (up to 300A)
LVD (battery)	Yes
PLD (not critical loads)	Optional
Critical / non critical loads configuration	6 x MCB + 8 x MCB (option)
Output protection	Inbuilt fuses (both poles) Over-temperature protection

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

Others	
Operating temperature	-45 - +45 °C
Humidity (relative)	95 % max, non cond.
Environment standard	ETSI EN 300 019-1-3
Safety standard	IEC 60950
EMC standard	EN 300 386

Ordering	
System	3791546100
Rectifier	ESR-48/56BF-S DPR 2900B-48 or TPS1010016C DPR 4000B- 48

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