

CellD200C Power System

DC Power supply system 200A



Description

The power system provides power density of 12kW within 1U 19" power shelf. The combination with 1U distribution design, power density and reliability makes the CellD200C a product family that stands out and provides unparalleled network availability and power output.

The 1U distribution is designed to meet the demand for compact and flexible DC power solutions. Its highly configurable design is based on building blocks and offers a variety of configurations. The front connection battery and load breakers ensures easy configurability as well as "in field" replacement.

Elevate efficiency with our complete system featuring the Orion Touch controller, ultra high efficiency rectifiers, and hot-pluggable modules. This compact powerhouse ensures reliable and flexible power solutions, delivering advanced control for streamlined operations.

Main features

- Compact size (2U high)
- Up to 4x battery breakers (plug-in type)
- LVBD & PLD (optional)
- Up to 10x load breakers (plug-in type)
- CE approvals

Applications

- Telecom – Mobile / Wireless
 - Radio base stations / cell sites
 - LTE / 4G / WiMAX
 - 5G
- Telecom – Fixed
 - Telephony servers/switches
 - Fiber optics / FTTx
 - Microwave
 - Cable
 - Broadband

CeIID200C Power System

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Technical specifications

Model	CeIID2000C
Product configurator	3798106979

Power Module	
DPR 3000E-48 ¹⁾	DPR 3000E-48 ID:D1 98%
	DPR 3000E-48 ID:A1 96,2%

Input Data	
Voltage (range)	80-300 V _{AC}
Mains Frequency	50 / 60 Hz
Mains configuration	Single input: 1x 3p400 V _{AC} TN / 1x 3p230 V _{AC} IT / 3x 1p230V _{AC} TN

Output Data	
Voltage	-48 V _{DC}
Load Current (maximum)	200 A
Output Power (maximum)	12kW

Battery Distribution	
Number of breaker positions	Up to 4x 30 mm
LVBD	250 A (default)
Battery breaker type	80 – 125 A (30 mm) - Front connection, plug-in type

Load Distribution	
Number of breaker positions	Up to 10x 20 mm or 4x 30 mm + 4x 20 mm
PLD	150 A (optional)
Load breaker type	80 – 125 A (30 mm) and 6 - 63 A (20 mm) - Front connection, plug-in type

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Control and Monitoring	
Control and Monitoring unit 2)	ORION Touch
Local operation	Self-explanatory menu guided operation via touch-pad and graphical colour display
Remote operation	Ethernet for remote/local monitoring and control via WEB Browser

Other Specifications	
Operating temperature	-40 to +55 °C [-40 to +131 °F]
Storage temperature	-40 to +85 °C [-40 to +185 °F]
Relative humidity	95 %, non-condensing
Dimensions (W x D x H)	483 x 391 x 89 mm [19 x 15.4 x 3.5 inch] (Without front cable support)
Weight (excluding modules)	Approximately 10 kg [22 lbs]

Design Standards	
Electrical safety	IEC/EN 62368-1:2020/AC:2020/A11:2020
EMC	EN 300 386 V2.2.1:2020
Environment	ETSI EN 300 019-2-1 (Class 1.2) /-2 (Class 2.3) /-3 (Class 3.2) Normal operating conditions as per IEC 62040-5-3:2016 clause 4.2. Other operating conditions as per IEC 62040-5-3:2016 clause 4.3, must be advised

1) See DPR 3000E-48 ID:D1 98% & DPR 3000E-48 ID:A1 96,2% rectifier fact sheet for details

2) See ORION Touch controller fact sheet for details

Specifications are subject to change without notice

