

CellID 200/500

Telecom 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 ORION 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

- Configurable rectifier system for either 200 or 500 A load
- Mechanical interface 19IN rack mounting
- Compact size – 4U or 5U high
- High efficiency rectifiers up to 98 %
- Battery and load breakers accessible at the front
- Enhanced monitoring and controlling

Applications

- Wireless
- Network base stations
- Fixed line
- Broadband services
- Transmission



CeIID 200/500

Telecom Power System

CONFIG.	CeIID 200	CeIID 500
Rectifier efficiency	96.4 % or 98 %	
Rectifier internal protection	N loss, Internal OVP, Inbuilt fuses (L+N), High input voltage	
Max installed power	12 kW	27 kW
Height	177 mm	222 mm
Width	483 mm	483 mm
Depth	353 mm	353 mm
Weight (approx.)	12 kg	17.5 kg

AC INPUT	CeIID 200	CeIID 500
AC configuration	Multi: 1x3-PH / 3x1-PH or 1.2 m cable 4x1-PH	Multi: 2x3-PH / 6x1-PH or 1.2 m cable 9x1-PH
Voltage range	80 – 300 V	
Frequency range	45 – 66 Hz	
Input current 3-PH	37 A (L-N) or 58 A (L-L)	2x (37 A L-N)) or 2x (58 A L-L)
Input protection (recommended)	3x 40 A or 3x 63 A	2x (3x 40 A) or 2x (3x 63A)

DC OUTPUT	CeIID 200	CeIID 500
Output voltage	43 – 57.6 V	
Max output curr.	200 A	500 A
Battery breakers	4x (80-125 A) 2x (160-200 A) 1x (240-300 A)	6x (80-125 A) 3x (160-200 A) 2x (240-300 A)
LVBD (battery)	Yes	

DC OUTPUT	CeIID 200	CeIID 500
PLD (not critical loads)	1-2x 150 A	300 or 500 A
Load breakers (configurable)	18x 18mm or 6x27mm + 9x18mm	15x 18mm or 6x27mm + 6x18mm
MCB ratings	18mm = 2-63A, 27mm = 80-125A	

CONTROL AND MONITORING	
Controller	ORION
Local interface	Display with touch panel
Remote monitoring	6 alarm relays, modem, web interface, SNMP protocol

GENERAL	
Operating temperature	-40 to 55 °C
Relative humidity	95 %, non-condensing
Environment	ETSI EN 300 019-1 (class 1.2), -2 (class 2.2) and -3 (class 3.2)
Safety	EN 62368-1
EMC	EN 300 386, EN 61000-6-1, -2, -3 and -4
Sliding mechanism	Optional for adjustable depth. Cabinet must be equipped with front and rear vertical rack rails.

ORDERING INFORMATION	
Product configurator	3798105059
Rectifier 3000B-48 96.4 %	ESR-48/60A A-S
Rectifier 3000E-48 98 %	TPS1010027A-PML-S