

CabD 3000

Power System



Descriptions

CabD is Delta's robust indoor cabinet developed for expandable telecom power systems. The number 3000 defines the maximum current carrying capacity of single cabinet bus bars. Total load current in parallel configurations may be from 1000 A to over 10000 A.

A complete system includes high efficiency rectifiers, AC and DC connections, battery connection and the advanced ORION controller. The system is typically organized in bulk power concept. The rectifiers are housed in a rectifier cabinet including the AC inputs. The battery connections locate in specific cabinet and load connections in distribution cabinet. Optionally the rectifiers, battery connection and even one load distribution row are possible to be configured in a single cabinet.

The multi cabinet CabD 3000 power system is easy to define with a table-based technical configuration file. Finally, Delta factory configures the cabinets to be individually packed for delivery. Delta is known for quality and product reliability – in this solution that has been combined to optimize the total cost of ownership.

Main features

- Scalable power system up to 144 kW per cabinet and max 768 kW parallel
- Truly modular building blocks
- Mirroring the system built for top entry or bottom entry for cabling
- High efficiency rectifiers up to 95 %
- Enhanced monitoring and controlling with ORION controller

Applications

- Central offices
- Mobile telephone switching offices
- Data centers



CabD 3000

Power System

Technical specifications

1. Input

AC configuration	3L + PE (DPR 6000B-48 based), 3L + N + PE (DPR 4000B-48 ver)
Input voltage range	400 V _{RMS} (L-L), 230 V _{RMS} (L-N)
Frequency range	45 - 66 Hz
Mains connection	Cable / Screw terminals
Main switches	Optional
Individual rectifier fuses	Optional, only rectifier cabinet

2. Output

Output voltage range	42-58 V _{DC} ; 53.5 V _{DC nom.}
Output current	1500 A or 3000 A per cabinet
Load breakers	30 x MCB (1-6 per cabinet) 40 x MHCB (1-6 per cabinet) 13 x 22 x 58 (1-6 per cabinet) 14 x NH00 (1-5 per cabinet) 6 x NH03 (1-4 per cabinet)
Battery breakers	1-3 x TPS3 (up to 1600 A) 1-4 x TPS2 (up to 1200 A)
LVD	Optional (battery)

3. Control / Monitoring

Controller	ORION
Local interface	Display, menu structure, key-pads, LEDs
Remote monitoring	6 alarm relays, modems, WEB Interface, SNMP protocol

4. General

Cabinet dimensions	600 x 2000 x 600 mm (W x H x D)
Weight	100-300 kg

5. Others

Operating temperature	-25 - +45 °C
Humidity	95 % max, non cond. (relative)
Environment standard	ETSI EN 300 019-1-3
Safety standard	IEC 60950
EMC standard	EN 300 386
Packing	Vertical for truck transport Horizontal for shipping / air

6. Ordering information

System configurator	3791691700
Rectifier DPR 6000B-48	TPS1010006A
Rectifier DPR 4000B-48	TPS1010016C

*All specifications are subject to change without prior notice.

DELTA ELECTRONICS, INC.

3 Tungyuan Road, Chungli Industrial Zone,

Taoyuan City 32063, Taiwan.

TEL : +886-3-452-6107 FAX : +886-3-452-7314

<http://www.deltawww.com/>

Fact_Sheet_CabD_3000_en_rev04

