



CabD HVDC converter

Converter power system

Description

The CPHVS 3000A-230-n CabD is an integral part of Delta's CabD power system series. It is compatible with HVDC rectifier systems. Converters are Eltek Flatpack2 HVDC/DC 380VDC/48VDC modules.

The technology eliminates all single points of failure with full scalability, in this system up to 24 modules in parallel and high efficiency of up to 98.2 % reducing operating costs.

The product is fully configurable according to specific project request. A SAP product configurator creates all typically used configurations. For complex project requirements factory will create a fixed customer configuration using the standard mechanics.

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 converter system using Eltek Flatpack2 converters and monitoring
- Integrated load distributions
- Busbar connections for DC input from HVDC systems

Applications

- Modular UPS configurations
- Indoor and outdoor container
- Telecom, wireless, Datacom

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Technical specifications

DC input	
Voltage range	260 - 400 V
Maximum current	196.8 A (16 modules) 295.2 A (24 modules)
DC input protection recommendation	250A (16 modules) 315A (24 modules)

DC output	
Redundant output power (n+1)	45 kW (16 modules) 69 kW (24 modules)
Max current per converter at 50 V	60 A
Voltage adjustable range	50 – 55 V
DC output options (vertical space requirement in mm)	30x MCB18 (300 mm) high ohmic opt 20x MCB27 (300 mm) 13x 22x58 (337,5 mm) 14 x NH00 (300 mm) 7 x NH02 (375 mm) 6 x NH03 (375 mm)

Ordering information	
Product configurator	3798101201
Converter	5100106500

General	
Height, overall	2000 mm
Width, overall	600 mm
Depth, overall	600 mm
Weight, without converters	max. 160 kg
Converter module weight	1.95 kg
Efficiency	98.2 %
Operating temperature	0 – 40 °C
Relative humidity	95 %, non-condensing
Protection class	IP20
Safety	EN 62368-1
EMC	EN 300 386-2, EN 61000-6
Display	Touch panel
Remote alarm	6 remote alarms
Monitoring	ORION