

APS 750B-230-4/8 19IN

Inverter power system

Description

The APS 750B-230-4 19IN and APS 750B-230-8 19IN are integral part of Delta's CellD power system series. Inverters are CE+T Nova 750 VA TSI modules.

The "Twin Sine Innovation" TSI technology eliminates all single points of failure with full scalability; in this system up to eight modules in parallel and high efficiency of up to 93 % reducing operating costs. The best configuration is DC offline using internal enhanced power conversion for good quality AC output.

The panels offer flexible structure: They can be configured according to specific project request. It is possible to configure optional manual bypass for complete system override. Choosing optional CE+T T2S-RS485 monitor this unit can communicate electrical parameters with Delta ORION controller. AC output is either bulk terminal or based on DPN or RCD devices.

A SAP product configurator is created for typical 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 inverter system using CE+T Nova inverters and monitoring
- 0 s transfer between AC and DC sources
- Optional manual bypass switch for complete system service
- Mechanical interface 19IN rack mounting
- Compact size – 4U or 5U high
- Integrated AC load distributions
- Communication with ORION optional

Applications

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



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Technical specifications

DC input	
Voltage range	40-60 V
Nominal current	56 A (4 modules) 112 A (8 modules)
Maximum input current (15 s)	88 A (4 modules) 176 A (8 modules)

AC input	
Voltage range	150-265 V
Frequency range (selectable)	47-53 Hz or 57-63 Hz
Power factor	> 99 %

AC output	
Redundant output power (n+1)	2250 VA / 1725 W (4 modules) 5250 VA / 4025 W (8 modules)
Frequency	50-60 Hz
Nominal current per inverter	3,25 A
Short circuit clear up capacity per inverter	29,25 A for 20 ms (available when mains is available at AC input)
Short time overload capacity (15 s)	135 %
Transfer switching between AC and DC source	0 s
AC output options	Bulk terminal: 4-32 A DPN B-curve (14 pcs) 4-32 A DPN B-curve with alarm (9 pcs) 4-32 A RCD B-curve (7 pcs) 4-32 A RCD B-curve with alarm (5 pcs)

General	
Height, overall	4 U (177,8 mm) or 5 U (222,25 mm)
Width, overall	19" (483 mm)
Depth, overall	410,2 mm
Weight, with inverters	Up to 30 kg
Efficiency (typical): Enhanced power conversion	93 %
Efficiency (typical): Online	89 %
Operating temperature	-20 to 50 °C
Relative humidity	95 %, non-condensing
Protection class	IP20
Safety	IEC/EN 60950
EMC	EN 300 386-2
Indicators	LED
Remote alarm	4 remote alarms
Monitoring	T1S for indication and remote alarms T2S-RS485 for additional communication of parameters with ORION

Ordering information	
Product configurator	3799531800
Inverter	4909018426

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