



an EnerSys® company

DPX Power Source Enclosure System



- Compact footprint ideal for ground mount installations in right-of-way for small cell applications
- Provides power for up to 10 small cell nodes from a single grid tap connection
- Wide AC input voltage range (90 to 305 VAC) for worldwide deployment
- Type 3R rated outdoor cabinet with heat exchanger for improved energy efficiency and reduced maintenance costs
- Optional energy storage enclosure available

The DPX Power Source enclosure system is part of the distributed power transport product family specifically engineered using the new Alliance for Telecommunications Industry Solutions (ATIS®) fault managed power distribution technology.

The DPX Power Source enclosure system is housed in a Type 3R rated enclosure and designed for pole and ground mount installations. The enclosure system can remotely power up to 10 small cell nodes from a single grid tap connection. Optional energy storage cabinet is available to support additional backup time.

Local and remote setup, adjustment and control is a simple single-step process with the controller system. By utilizing TCP/IP technology, complete configuration and monitoring of power equipment is possible through a network web browser or via local display panel.

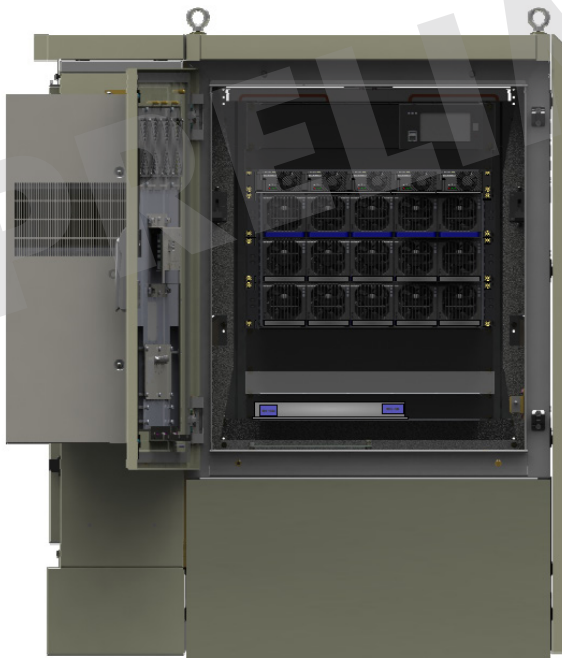
Distributed power transport architecture enables operators to deploy networks faster by eliminating the need to have AC utility power at each small cell location. At a central location, the central power hub converts the incoming AC power to fault managed power which is transported over a hybrid or copper only cable to a disconnect box and then to a down converter device. This reduces installation and operating expenses, and provides flexibility related to site selection for the installation of the remote communications equipment.

DPX Power Source Enclosure System

Consult your Alpha® sales representative for system configurations.

Electrical	
Input Voltage	Nominal: 208 to 240 VAC
	Operating: 187 to 264 VAC
	Extended: 90 to 187 VAC (derated power)
Input Frequency	45 to 66 Hz
Power Factor	>95% (10 to 100% load)
THD	<5% (50 to 100% load)
Output Voltage	±190 VDC
Output Power	Up to 10 × 2,000 W channels
Acoustic Noise	<65 dBA at 3 ft (1 m)
Features	
Protection	Padlockable door handles
	1 × 20 kA AC surge suppression
	10 × Fault managed output channels each with 20 kA DC surge suppression
Energy Storage Support Option	AlphaCap 665 Short Duration Backup Supply Module for short duration backup of the Cordex® HP controller system

Mechanical	
Dimensions H × W × D	Overall: 48 × 40 × 35 in. (1232 × 1016 × 889 mm)
	Footprint: 48 × 40 × 24 in. (1232 × 1016 × 610 mm)
Net Weight	397 lb (180 kg)
Mounting	Ground
	Pole (no battery application)
Cooling	72 W/°F (130 W/°C) heat exchanger
Environmental	
Operating Temperature	−40 to 115°F (−40 to 46°C) plus solar loading
Storage Temperature	−40 to 185°F (−40 to 85°C)
Relative Humidity	5 to 95% non-condensing
Elevation	Up to 3,000 m (9,842 ft)
Enclosure Rating	Type 3R
Regulatory Compliance	
Safety	Design to be compliant with UL 1400-1 for Class 4 circuit component devices
	Design to be compliant with CAN/CSA C22.2 No. 62368-1 3rd Edition
	Design to be compliant with UL 62368-1 3rd Edition
	Design to be compliant with GR-487 Issue 6
EMC	Design to be compliant with FCC CFR 47 Part 15/B Class A
	Design to be compliant with CAN ICES-003(A)/NMB-003(A)
Sustainability	Design to be compliant with RoHS3 2011/65/EU and 2015/863/EU
	Design to be compliant with WEEE 2012/19/EU and 2018/849/EU



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