



an EnerSys® company

DPX 5kW Rectifier



- High performance and compact design for use with Alliance for Telecommunications Industry Solutions (ATIS) fault managed power distribution technology
- High efficiency, approaching 96.5% for reduced OPEX and carbon footprint
- Extended operating temperature range up to 65°C (149°F) for deployment in the harshest outdoor environments
- Wide AC input operating range for global installation requirements
- Communication with the Cordex® CXC HP system controller for advanced site monitoring applications

The DPX 5kW Rectifier module 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.

In a compact, fan-cooled design, the DPX 5kW Rectifier module provides 100% nominal power up to 65°C (149°F) and at least 3000 watts of power up to 75°C (167°F).

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

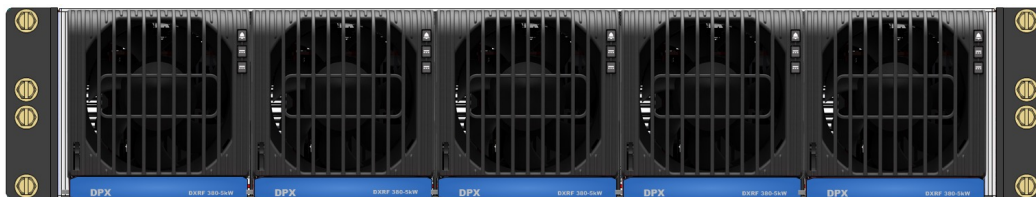
Distributed power transport architecture enables operators to deploy their network faster by eliminating the need to have AC utility power at each small cell location. At a central location, the central power hub converts the incoming AC power to fault managed power which is transported over a hybrid or copper only cable to a disconnect box and then to a down converter device located approximately 6000 ft away. This reduces installation and operating expenses, and provides flexibility related to site selection for the installation of the remote communications equipment.

DPX 5kW Rectifier

PN: 0100048-001

Electrical	
Input Voltage	Nominal: 208 to 277 Vac
	Operating: 187 to 305 Vac
	Extended: 90 to 187 Vac (derated power)
Input Frequency	45.0 to 66.0 Hz
Power Factor	>95% (10 to 100% load)
THD	<5% (50 to 100% load)
Efficiency	96.5% peak
Output Voltage	±190 Vdc
Output Power	5000 W nominal
Output Current	13.1 A nominal
Load Regulation	<±3%
Line Regulation	<±0.1% (static)
Transient Response	30 ms
Noise	Wide Band: <200 mV RMS (10 kHz to 10 MHz) <1.0 V pk to pk (10 kHz to 100 MHz)
Features	
LEDs	Alarm: Major alarm (steady red)
	DC: DC output OK (steady green)
	AC: AC mains OK (steady green)
Adjustments	<ul style="list-style-type: none"> Output voltage High voltage alarm Low voltage alarm High voltage shutdown Current limit Slope Start delay timers
Protection	<ul style="list-style-type: none"> Current limit / short circuit Startup delay Input / output fuses Diode-or for parallel outputs Output high voltage shutdown Power limiting Over-temperature

Mechanical - Module	
Dimensions H × W × D	83.7 × 83 × 382 mm (3.3 × 3.3 × 15 in.)
Weight	3.2 kg (7 lb)
Mechanical - Shelf	
Dimension H × W × D	89 × 442.5 × 446.9 mm (3.5 × 17.4 × 17.6 in.)
Weight	7.4 kg (16.3 lb)
Modules per shelf	Up to five modules
Mounting	<ul style="list-style-type: none"> Flush mount 6 in. offset center mount
CAN Communication	RJ12 offset
Environmental	
Temperature	Operating: -40 to 75°C (-40 to 167°F); full rated output up to 65°C (149°F); >3000W @ 75°C (167°F)
	Storage: -40 to 85°C (-40 to 185°F)
Relative Humidity	5 to 95% non-condensing
Elevation	Up to 3,000 m (9,842 ft)
Agency Compliance	
Safety	<ul style="list-style-type: none"> ATIS (Pending) IEC/EN/CSA/UL 62368-1 CE Mark (Pending) UKCA Mark (Pending)
EMC	Emissions: <ul style="list-style-type: none"> ETSI 300 386 CFR47 (FCC) Part 15 Class A ICES-003 Class A
	Immunity: <ul style="list-style-type: none"> ETSI 300 386 EN 61000-4-2, 4-3, 4-4, 4-5, 4-6 ANSI/IEEE C62.41 CatB3 (Pending)



EnerSys World Headquarters
2366 Bernville Road,
Reading, PA 19605, USA
Tel: +1-610-208-1991
+1-800-538-3627

EnerSys EMEA
EH Europe GmbH,
Baarerstrasse 18,
6300 Zug
Switzerland

EnerSys Asia
152 Beach Road,
Gateway East Building #11-08,
Singapore 189721
Tel: +65 6416 4800