



an EnerSys® company

# DPX 2kW Fault Managed Power Distribution Module with EnShield™ Technology



- Compliant with Alliance for Telecommunications Industry Solutions (ATIS) fault managed power distribution technology safety standards and UL1400-1 (pending)
- Rapid fault detection (line-ground and line-line) and shutdown protection in the event of incidental human contact
- Intelligent power flow control towards DPX 1350W Downconverter
- High operating temperature range up to 65°C (149°F) for deployment in the harshest outdoor environments
- Individual channel monitoring and power cycling via the Cordex® CXC HP system controller

**The DPX 2kW Fault Managed Power Distribution Module with EnShield™ Technology 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 converter module can deliver 2000 watts of power at ±190 Vdc.**

In a compact, fan-cooled design, the DPX 2kW Fault Managed Power Distribution Module with EnShield™ technology delivers 100 percent nominal power up to 65°C (149°F).

Local and remote setup, adjustment and control are a simple single-step process with the system controller. 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 2kW Fault Managed Power Distribution Module with EnShield™ Technology

PN: 0120093-001

Electrical	
Input Voltage	350 to 400 Vdc
Output Voltage	±190 Vdc
Output Power	2000W nominal
Output Current	6 A
Load Regulation	<±3%
Acoustic	<60 dBa
Features	
LEDs	<b>Alarm:</b> Major alarm (steady red) <b>DC Out:</b> DC output OK (steady green) <b>DC In:</b> DC input OK (steady green)
Protection	<ul style="list-style-type: none"> <li>Current limit / short circuit</li> <li>Input / output fuses</li> <li>Output high voltage shutdown</li> <li>Over temperature</li> </ul>
Mechanical - Module	
Dimensions H × W × D	84.3 × 84.6 × 380.3 mm (3.3 × 3.3 × 15.0 in.)
Weight	2.7 kg (6 lb)
Mechanical - Shelf	
Dimensions H × W × D	89 × 442.5 × 485 mm (3.5 × 17.4 × 19.1 in.)
Weight	6.6 kg (14 lb)
Modules per shelf	Up to five modules
Mounting	<ul style="list-style-type: none"> <li>Flush mount</li> <li>6-inch offset center mount</li> </ul>
CAN Communication	RJ12 offset

Environmental	
Temperature	<b>Operating:</b> -40 to 65°C (-40 to 149°F)
	<b>Storage:</b> -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"> <li>IEC/EN/CSA/UL 62368-1 (Pending)</li> <li>UL 1400-1 (Pending)</li> <li>CE Mark (Pending)</li> <li>UKCA Mark (Pending)</li> </ul>
	<b>Emissions:</b> <ul style="list-style-type: none"> <li>ETSI 300 386 (Pending)</li> <li>CFR47 (FCC) Part 15 Class A (Pending)</li> <li>ICES-003 Class A (Pending)</li> </ul>
EMC	<b>Immunity:</b> <ul style="list-style-type: none"> <li>ETSI 300 386 (Pending)</li> <li>EN 61000-4-2, 4-3, 4-4, 4-5, 4-6 (Pending)</li> <li>ANSI/IEEE C62.41 CatB3 (Pending)</li> </ul>



**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