



an EnerSys® company

# DPX 1350W Downconverter



- IP68 rated enclosure provides maximum flexibility for various installation options (pole, wall, underground, or aerial)
- Extended operating temperature range up to 65°C (149°F) for deployment in the harshest outdoor environments
- Remote monitoring via the Cordex® CXC HP system controller offers advanced monitoring and control of each of the four output channels including power cycling, load shedding, voltage, and current readings
- Class 4 rated input circuit for fault managed safety
- Four outputs to power multiple devices from a single source

**The DPX 1350W Downconverter 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 1350W Downconverter converts the incoming ( $\pm 190$  Vdc) voltage to 48 Vdc to power a multitude of communications devices such as small cells, remote radio heads (RRH), and IoT devices.**

The DPX 1350W Downconverter provides four isolated outputs from a single 12 AWG (4 mm<sup>2</sup>) or 14 AWG (2.5 mm<sup>2</sup>) hybrid or copper only cable input. Each isolated output can deliver a maximum of 450 watts at 48 Vdc or 1350 watts of total power to remote telecommunication equipment. The DPX 1350W Downconverter provides full power up to 55°C (131 °F).

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 1350W Downconverter

PN: 0120084-001

Electrical	
Input Voltage	±145 Vdc to ±200Vdc
Output Voltage	–54 Vdc
Output Power	Total: 1350 W
	Per Port: 450 W
Output Current	9.4 A
Load Regulation	<±3%
Acoustic	0 dB
Features	
Adjustments	<ul style="list-style-type: none"> <li>• Individual output load shedding</li> <li>• Individual output power cycling</li> <li>• Individual output power</li> <li>• Remote firmware upgrade</li> </ul>
Protection	<ul style="list-style-type: none"> <li>• Safe start function</li> <li>• Current limit and short circuit</li> <li>• Reverse polarity</li> <li>• Output high voltage shutdown</li> <li>• Power limiting</li> <li>• Over-temperature</li> </ul>
Monitoring	<ul style="list-style-type: none"> <li>• Individual output voltage</li> <li>• Individual output current</li> </ul>

Mechanical	
Dimensions H × W × D	203.2 × 457.2 × 109 mm (8 × 18 × 4.3 in.)
Weight	9 kg (19.8 lb)
Connections	Input: 1
	Output: 4 (isolated)
Environmental	
Temperature	Operation: –40 to 65°C (–40 to 149°F); full rated output up to 55°C (131°F)
	Storage: –40 to 85°C (–40 to 185°F)
Relative Humidity	5 to 95%
Elevation	Up to 3,000 m (9,842 ft)
Enclosure Rating	IP68
	Type 6P
Agency Compliance	
Safety	<ul style="list-style-type: none"> <li>• ATIS (Pending)</li> <li>• IEC/EN/CSA/UL 62368-1 (Pending)</li> <li>• CE Mark (Pending)</li> <li>• UKCA Mark (Pending)</li> </ul>
EMC	<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>
	<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>

PRELIMINARY



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