an EnerSys® company

# CXPS-HSS Hyperboost System

## -48VDC to -58VDC Converter System


- Modular and scalable system to support power upgrades to existing macro infrastructure and future technologies
- Intelligent distribution panel monitors load current and voltage to each RRH
- High power and compact converter module in a 1RU package
- High system efficiency, approaching 98%, for reduced OPEX and carbon footprint
- Extended operating temperature range up to 55°C for deployment in the harshest outdoor environments
- Communication with the Cordex® CXC HP controller family for advanced site monitoring applications

### The CXPS-HSS Hyperboost system delivers high power and high efficiency on a small 3RU package.

The Hyperboost system is based on the Cordex® HP -48 to -58 Vdc 3kW Hyperboost shelf and module and are used to boost the DC voltage to reach the remote radio head (RRH) while leveraging existing power cable infrastructure. The CXPS-HSS can be deployed as a stand-alone system, with an optional in-shelf controller or can be paired with Enersys® CXPS -48 Vdc power system for a tightly integrated solution using our flagship Cordex® CXC HP controller.

Each fan-cooled Hyperboost module can deliver up to 3000 watts of nominal power up to 65°C and 2400 watts of power up to 75°C.

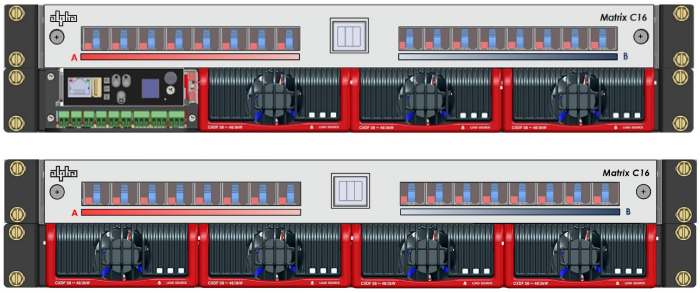
Information, adjustments, and controls are a simple process with the Cordex® CXC HP family of controllers. Configuration adjustments and information monitoring of the power equipment are accessible through a network web browser.

# **CXPS-HSS Hyperboost System** -48VDC to -58VDC Converter System

P/N: 0921002-XXX

| Electrical | |
|---|---|
| **Input Voltage** | -38 to -58 Vdc |
| **Efficiency** | 98% peak |
| **Output Voltage** | -58 Vdc |
| **Output Power** | 20,880 W max |
| **Output Current** | 360 A max |
| **Load Regulation** | <±0.5% |
| **Features** | |
| **LCD** | • Per circuit output voltage<br>• Per circuit output current<br>• Bus output voltage<br>• Bus output current |
| **LEDs** | • DC Load OK — green LED<br>• DC Source OK — green LED<br>• Module fail — red LED |
| **Adjustments** | • Output voltage<br>• High voltage alarm<br>• Low voltage alarm<br>• High voltage shutdown<br>• Start delay timer |
| **Protection** | • Current limit / short circuit<br>• Startup delay<br>• Input / output fuses<br>• Output high voltage shutdown<br>• Power limiting<br>• Over-temperature |

| Mechanical | |
|---|---|
| **Dimensions H x W x D** | (44 mm x 434.3 mm x 420.8 mm)<br>(5.2 in. x 17.1 in. x 19.9 in.) |
| **Weight** | 18.4 kg (40.5 lb) |
| **Mounting** | • 3RU height<br>• Flush mount<br>• Offset mount<br>• Center mount |
| **CAN Communication** | RJ12 offset |
| **Environmental** | |
| **Temperature** | Operating: -40 to 55°C (-40 to 131°F);<br>Storage: -40 to 85°C (-40 to 185°F) |
| **Relative Humidity** | 5 to 95% non-condensing |
| **Elevation** | Up to 3000 m (9840 ft) |
| **Agency Compliance** | |
| **Safety** | IEC/EN/CSA 62368-1 Ed. 2 |




Other configurations available based on your application requirements

**World Headquarters**
2366 Bernville Road
Reading, PA 19605 USA
+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 / +65 6416 4800