

# Compact Power Line

## CP2000DC54-PE DC/DC Converter

Input: -40 to -72 Vdc; Outputs:  $\pm 54$  Vdc at 2000W; 5 Vdc at 4W



### Applications

- 48Vdc distributed power architectures
- Power over Ethernet
- Routers/Switches
- VoIP/Soft Switches
- LAN/WAN/MAN applications
- File servers
- Indoor wireless
- Telecommunications equipment
- Enterprise Networks
- SAN/NAS/iSCSI applications
- Advanced workstations

### Features

- Compact 1-RU form factor providing 22 W/in<sup>3</sup>
- Input Current < 60A at 40 Vdc input
- Programmable output voltage from 44V to 58 Vdc,
- Output defaulted to 54V
- PMBus compliant dual I<sup>2</sup>C serial bus communications
- Designed to IEEE802.3af Compliance, 2250 output\*\*\* isolation to chassis/signals for POE applications. (see ordering info)
- DC Output over-voltage and over-current protection
- DC Input over-voltage and under-voltage protection
- Over-temperature warning and protection
- Redundant, parallel operation with active load sharing and redundant +5V Aux power
- Remote ON/OFF
- Hot insertion/removal (hot plug)
- Four front panel LED indicators
- UL\* Recognized to UL60950-1, CAN/ CSA† C22.2 No. 60950-1, and VDE‡ 0805-1 Licensed to IEC60950-1
- CE mark meets 2006/95/EC directive §
- Internal variable-speed fan control
- RoHS 5 compliant

**The CP2000DC54-PE DC/DC Converter, also called a Power Entry Module (PEM)** in the Compact Power Line platform is specifically designed to operate as an integral part of a complete distributed power system. The high-density, front-to-back airflow PEM is designed for minimal space utilization and is highly expandable for future growth. It is provided with many features including PoE isolation, and dual-redundant I<sup>2</sup>C communications busses that allow it to be used in a broad range of applications. The flexible feature set makes this Power Entry Module an excellent choice for applications requiring modular dc-to-dc bulk intermediate voltages, such as in distributed power.

\* UL is a registered trademark of Underwriters Laboratories, Inc.

† CSA is a registered trademark of Canadian Standards Association.

‡ VDE is a trademark of Verband Deutscher Elektrotechniker e.V.

§ This product is intended for integration into end-user equipment. All the required procedures for CE marking of end-user equipment should be followed. (The CE mark is placed on selected products.)

\*\* ISO is a registered trademark of the International Organization of Standards.

