

Cordex HP LPS36

-48Vdc to ± 190 Vdc Line Power System



Your Power Solutions Partner

- Modular Line Powering System designed for remotely powering network equipment over twisted copper lines
- High efficiency >92% for increased OPEX savings and reduced carbon footprint
- High temperature tolerance for installation in Central Office or harsh OSP cabinet environments
- Industry leading power density enabling up to 48 channels in a compact 2RU footprint
- High reliability convection-cooled design with optional fan tray
- Cordex CXCI+ system controller provides advanced remote web based monitoring and control features



The LPS36 is a compact, modular DC to DC up-converter system designed for distributed power communications applications using ± 190 Vdc (RFT-V circuit) over existing copper network. Using switched mode technology, the LPS36 quad output converter module provides outstanding efficiency in a compact design. Applications include powering DSLAM's as well as the Optical Network Terminals in Fiber to the Home networks. The LPS36 can be installed in the Central Office or in a remote OSP cabinet. Line powering enables the use of central office backup power without the need at the remote site for AC utility or battery backup, thus reducing truck rolls and operating expenses.

The LPS36 packs maximum power into minimum space without compromising on features. A fully equipped 2RU 23" shelf includes up to 48 channels. Standard system features include Alpha Cordex CXCI+ controller, front access connection points and connectorized cable output.

Alpha's LPS36 modular DC to DC converter systems incorporate a full range of standard features, including current limiting and individual ground fault interrupt for each circuit. Particular emphasis is placed on recognizing a fault condition and shutting down the circuit as quickly as possible to ensure the highest level of safety. Compliance with GR-1089-CORE - Class A2 enables craftspeople to safely work on the equipment while powered which significantly reduces the administrative, labeling requirements and overheads normally associated with the high voltage wiring.

