

PIENAAR ENERGY (PTY) LTD

Optical-to-electrical outdoor power supply



Overview

The optical power supply operates by employing high-power laser diodes to generate intense light beams, which are then directed through fiber optic cables with minimal loss. At the receiving end, specialized photovoltaic cells capture and convert the light energy back into usable power. The TIA-525 and 952 series have BNC outputs for direct connection to your oscilloscope or digitizer. The TIA-1200 and 3000 use a type K SMA female output connector. From the core to the edge, your network is adding connected devices and new smart-building services all the time. The opportunities and efficiencies they offer speak for themselves—but, as they spread to locations both indoors and out, you're probably feeling the crunch caused by not having enough. The device converts optical power to electrical power for applications that require complete electrical isolation in highly demanding industrial environments and applications. Choose from 1 or 2 channels, AC or DC coupling and various conversion gain and operating wavelength ranges. The O2E is available in compact MATRIQ™. Check each product page for other buying options. The devices are ideal for powering.

Optical-to-electrical outdoor power supply



Slimline Riser Indoor/Outdoor PLTC Hybrid Powered Fiber Cables

Specifically designed for indoor/outdoor installations that utilize a centralized power supply to remote power and devices, thus eliminating the need to provide local AC power to each location.

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PoF_U-145.pages

Our patented Power Over Fiber (PoF) system provides power transmission over three multimode (62.5/125) optical fibers. The PoF system is able to provide true isolated power to a remote location

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OPTICAL TO ELECTRICAL CONVERTER

Our high performing O2E allows you to successfully test high baudrate signals with up to 50GHz of bandwidth. Choose from DC or AC coupling to suit your specific test application. Onboard storage of ...

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Optical to electrical converters.

High bandwidth, broadband optical to electrical converters available in a range of configurations. Choose from 1 or 2 channels, AC or DC coupling and various conversion gain and operating wavelength ranges.

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Powered Fiber Cable Systems

Empower your network with PoE power, voltage, and cable solutions. Ideal for smart environments, small cells, and Wi-Fi access points.

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Optical Power Supply: Advanced Light-Based Power Transmission for

Discover the revolutionary optical power supply technology offering complete electrical isolation, EMI immunity, and efficient long-distance power transmission for medical, industrial, and hazardous ...

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Amazon : Outdoor Dc Power Supply

30V 6W 0.2A Class 2 Power Supply, AC



to DC Low Voltage Transformer, IP44 Inflatable Power Adapter for LED Strip Lights, Christmas Decorations, Indoor/Outdoor Use, UL Listed

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AFBR-POC205A2 , Optical Power Converter

The AFBR-POC205A2 converts optical power to electrical power for applications that require complete electrical isolation in demanding industrial environments.

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O/E Converters

Key features The TIA-525 and 952 series have BNC outputs for direct connection to your oscilloscope or digitizer. The TIA-1200 and 3000 use a type K SMA female output connector. The TIA525 offers a ...

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