

Low-loss solution for power supply systems at Israeli telecommunications sites



Overview

This article describes a scalable and stackable -48 VDC PoL solution that addresses the high density power consumption of these high density networks due to the surge in network traffic. Abstract Telecommunications and wireless network systems typically operate on a -48 VDC power. AGMA Power Systems Ltd., established in 1989, is an Israeli leading designer and manufacturer of custom, and modified standard AC-DC and DC-DC switching power supplies and converters. AGMA is an ISO 9001-2008 certified company. DC power supplies for telecommunication systems. Manufacturer of high-capacity, high-power zinc-air batteries for portable electronic devices such as cellular telephones. The TPS series of industrial AC-DC power supplies offer output power up to 4080W in a 2U high package with 3 phase supply input. Features include voltage and current programming, remote on/off, remote sense, a standby supply, PMBus communication, built in ORing FET and wide operating temperature. This article focuses on the Analog Devices MAX15258, which is designed to accommodate up to two MOSFET drivers and four external

MOSFETs in single-phase or dual-phase boost/inverting-buck-boost configurations. Advanced power control techniques. APT leader in power conversion systems and its specialty is designing, developing and building high voltage and low voltage power systems (HVPS and LVPS) for telecommunications, medical, laser, industrial and military uses.

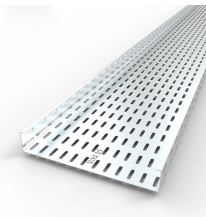
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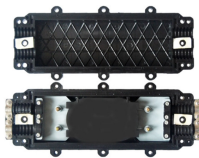
Due to their ability to attain high efficiency and minimize power ...



Telecommunications and wireless network systems typically operate on a -48 VDC power supply. Because DC power is simpler, a backup power system can be built using batteries ...



Ensuring a steady and uninterrupted power supply to essential telecommunication equipment will require advanced power management systems to regulate the energy flow between the grid, renewable ...



Due to their ability to attain high efficiency and minimize power losses, active clamp forward converters (ACFCs) are favored in telecom power supply designs. However, inherent ...



The compact GUS series of single output AC-DC industrial power supplies are available with 12V, 24V, 36V and 48V outputs in an economic, compact footprint and can deliver up to 350, 600 or 1000W.



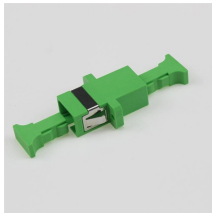
In this article, we present a stackable and interleaving multiphase high voltage inverting buck-boost controller that will resolve all the requirements/challenges to meet today's 5G telecom equipment ...



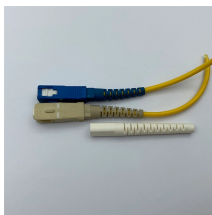
AGMA is an ISO 9001-2008 certified company. The company is headquartered in the Qiryat-Bialik Industrial zone, Israel. AGMA delivers power solutions for a diverse range of applications in a variety ...



WAGO offers uninterruptible power supplies (UPS), buffer modules, redundancy modules, and a wide range of electronic circuit breakers (ECBs) as a complete system for seamless upgrades.



DC power supplies for telecommunication systems. Manufacturer of high-capacity, high-power zinc-air batteries for portable electronic devices such as cellular telephones, camcorders, handheld ...



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