

50kWh communication power system for broadcast transmission



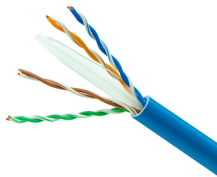
Overview

High Power (15kW - 50kW) For national broadcasting. Transmitter: High-efficiency, redundant dual transmitters. Features: Liquid cooling, automated diagnostics, continuous operation. Power Supply: Three-phase. The CELL RF Amplifier has 2,2kW output power with High Efficiency Planar LDMOS Technology. SMP unique TEKO Radio Equipment Architecture is every modular and able to grow in power (scalar) and the robustness. SMP, based on combine low power amplifiers, gives the maximum output power in case of fault. To achieve 50kW EIRP only 4kW of FM transmitter power is needed if the correct antenna is installed with high grade coaxial cable. The 4kW of FM transmitter power comes from 4 separate 1kW amplifiers that are driven by a distribution amplifier and Veronica® 1W PLL driver. It supports various input sources, including: Audio Inputs: Analog (microphone, audio processors) and digital (AES/EBU, S/PDIF). Inputs: L&R, MPX, AES-EBU and MPX over IP audio inputs. Single Frequency Network: an. The FMUSER FMT5. * Reduced operating costs compared to other 50 kW designs from an overall AC efficiency of greater than 56%. * Capable of 10 pre-set channels.

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Fully frequency agile without need for any tuning or trimming. High efficiency up to 78% to minimize consumption and OPEX.



Built-in PowerSmart® technology enhances power and operational efficiency across all Flexiva solid-state and high-power tube models to accelerate ROI. Compact, lightweight, modular and efficient, ...



It combines from 2 to 10 Low Power RF amplifiers to create a High Power FM Broadcast Transmitter. Thanks of the size, 2 HE, power levels 2,2 kW, it is the more redundant Modular FM Transmitter of ...



A 10-channel pre-set auto tuning system permits 10 second or less frequency changes anywhere from 3.2 to 22 MHz. These, in combination with a number of other outstanding features, make the SW-50 ...



System Architecture for High-Power FM Broadcasts. Our large-scale FM transmission systems, particularly those configured for 10kW EIRP and above, are engineered for maximum performance ...



POWER MAX 56kW / 56000W. The most fully featured HD Sound FM transmitter ever, digital processing completely based on FPGA technology granting crystal clear and highly stable audio ...



Y DESIGN PUTS CONTINENTAL FIRST Recognizing the limitations of performance and operation of heavy audio iron core components in AM transmitters, Continental's original 50 kW design eliminated ...



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FMT5.0-50H FM transmitter has the characteristics of wide RF signal transmission range, high fidelity, high output sound quality, anti-interference, and easy operation.



Combines 2 RF Amplifier to obtain up to 50kW Output Power. The unbalanced dummy load is critical to system reliability. The CORTEX load features 1 to 5 inputs, depending on the number of RF ...



Newglee's broadcasting system architecture supports scalable power levels (500W-50kW), offering efficient transmission, redundant design, advanced cooling, and remote monitoring. It ensures high ...

Contact Us

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