

500kW Central Power Inverter

This central power inverter is designed for industrial applications. It provides efficient DC-to-AC power conversion with high efficiency, low harmonic distortion, and built-in protection features.



Overview

High-Performance Central Power Inverter

This 500kW central power inverter is engineered for large-scale industrial applications, including solar power plants and distributed generation systems. It offers exceptional conversion efficiency of up to 98.7% and advanced MPPT technology for optimized energy harvesting. Designed for reliability, the unit features a compact, transformerless build and robust protection mechanisms suitable for challenging environments at altitudes up to 6000m.

Performance Metrics

Rated Power

500 kW

Rated Power

98.7 %

Max Efficiency

99.9 %

MPPT Efficiency

Electrical Specifications

Output Modes & Features

- Pure sine wave input
- Active Power Factor improvement
- Harmonic Filtering (optional)

MPPT Voltage Range 400-850VDC

THDi 0.8 %

Design & Environment

Maximum Operating Altitude 6000 m

Design Features Transformerless, Compact Design, Lightweight

Compliance & Safety

Certifications

CQC • CE

Safety & Protection

- Overvoltage protection
- Overcurrent protection
- Short circuit protection
- Comprehensive alarm function