Medium Frequency Variable Frequency Drive

It is used for the speed-adjusting control of AC motors with power supply of 6KV or 10KV and motor power of 200-5000 KW. The frequency converter uses the technology of vector control, and it realizes high-torque, high-precision and wide range of speed-adjusting drive.

ADDITIONAL IMAGES

Overview

High-Performance Medium Frequency VFD

This medium frequency variable frequency drive is engineered for high-precision speed control of AC motors ranging from 200kW to 5000kW. Utilizing advanced vector control technology, it delivers high torque and energy efficiency with built-in energy feedback capabilities to the power grid. Designed for industrial reliability, the system features a modular power circuit, fiber optic communication for high-voltage isolation, and an intuitive LCD touch interface for simplified operation and diagnostics.

Performance Metrics

Efficiency & Power

0.96	0.96	120 %
Rated Load Power Factor	Rated Load Efficiency	Overload Capacity (1 min)

Technical Specifications

Degree of Protection
IP30 (Basic) • IP31 (Mining)

Output Frequency Range	0Hz to 120Hz
Frequency Resolution	0.01 Hz
Communication	RS485, MODBUS
Cooling Method	Forced cooling

Input Requirements

Supported Voltages	3kV, 6kV, 10kV
Voltage Fluctuation Tolerance	-20% to +15%

Operating Environment

Operating Temperature	0 to 40°C
Operating Altitude	<1000 meters

Model Selection Data

Capacity and Current Ratings

Capacity (kVA)	6kV Output Current (A)	10kV Output Current (A)
315	31	19
400	39	23
500	48	29
630	61	36
800	77	45
1000	96	58
1250	120	72
1600	154	92
1800	173	104
2000	192	115