

# 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**

Rated Load Power Factor

**0.96**

Rated Load Efficiency

**120 %**

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