

# 200G Variable Frequency Drive

This variable frequency drive offers precise motor control through a user-friendly interface with a digital display. It incorporates an efficient cooling system and advanced control algorithms for reliable performance in electric power transmission and distribution systems.



## ADDITIONAL IMAGES



## Overview

### High-Performance Variable Frequency Drive

The 200G series is a versatile frequency inverter designed for precise motor control in transmission and distribution applications. It combines high torque output at low frequencies with advanced energy-saving capabilities to optimize industrial operations. Featuring a robust design with high-quality internal components, this drive ensures stable performance and long-term reliability for professional power systems.

## Key Performance Metrics

### Key Capabilities

**0.75 kW**  
Min Power

**45 kW**  
Max Power

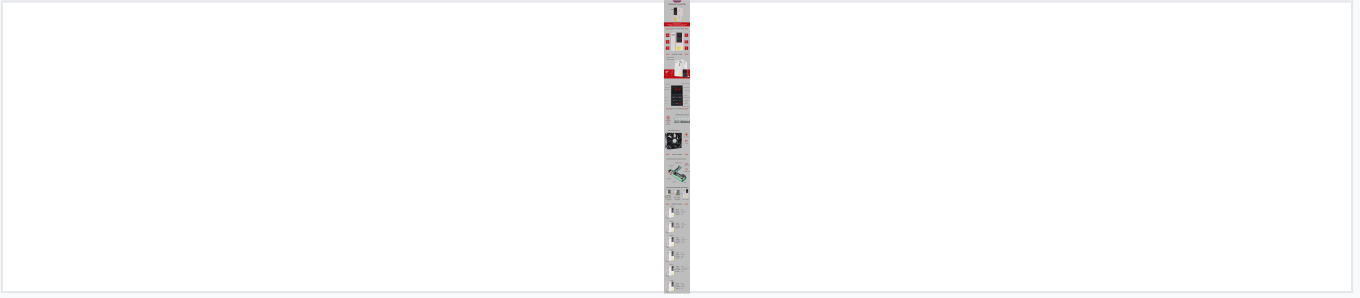
**176 A**  
Max Rated Current

## Technical Specifications

### Model Specifications Table

Power Rating (kW)	Rated Current (A)	Unit Weight (kg)
0.75kW / 1.5kW	3.8A / 5.1A	1.1
2.2kW / 3.7kW	9A / 13A	2.5
5.5kW / 7.5kW	25A / 32A	6.5
11kW / 15kW	45A / 60A	20
18.5kW / 22kW / 30kW	75A / 91A / 112A	32
37kW / 45kW	150A / 176A	47

## Hardware & Construction



Detailed view of the high-quality internal components including the IGBT module and cooling system, alongside the full power range from 0.75kW to 45kW.

### Core Components

- Infineon IGBT Module for stable performance
- NIDEC radiator fan for low-noise cooling
- High-efficiency PCB circuit board
- Integrated control chips and relays
- External extension port for panel box

### Cooling System

Dual-fan smart cooling with high-performance radiator

## User Interface & Control

### Control Features

Removable Control Panel, Remote Control Support, Digital Display, Jog Function, Status Indicators (RUN, FWD/REV, TUNE/TC)

## Safety & Compliance

### Safety Protections

- Electric shock risk protection
- Capacitor discharge safety timing (5 minutes)
- Grounding confirmation protocols
- Smart cooling system