

# AC Synchronous Alternator

AC synchronous alternators are designed for reliable power generation in single or three-phase configurations. These alternators offer robust performance and stable output for a variety of applications.



## Overview

### High-Performance AC Synchronous Alternator

This brushless AC synchronous alternator is engineered for reliability and consistent performance in industrial and commercial power generation. Built with a robust Class H insulation system and IP23 protection, it ensures longevity even under demanding operational conditions. The unit features a versatile 12-end reconnectable winding configuration, allowing for flexible voltage adjustments to meet specific site requirements.

## Performance Metrics

### Core Specifications

**24 KW**

Maximum Power

**400 V**

Rated Voltage

**0.5 %**

Voltage Stability

## Technical Details

### Electrical Characteristics

Parameter	Specification
Frequency	50/60Hz
Insulation Class	Class H
Protection Class	IP23
Working Type	S1
Voltage Adjusting Range	±25%

## Design & Compliance

### Construction Features

- Brushless excitation system
- 12-end reconnectable winding terminals
- Maintenance-free sealed bearings
- Single or double bearing options
- Convenient access for maintenance

### Standards & Compliance

GB755, IEC60034, BS5000, VDE0530, CSAC22.2