

# 250 KVA 200 KW Brushless Alternator

This brushless alternator provides 250 KVA or 200 KW of power. It is designed for power generation applications requiring stable and consistent electrical output.



## ADDITIONAL IMAGES



## Overview

### High-Performance Brushless Alternator

The BYG Series brushless AC synchronous alternator is engineered for reliability and consistent power output in demanding industrial and marine environments. Featuring a robust brushless design and dynamic rotor balancing, it minimizes maintenance requirements while ensuring stable performance. With standard 2/3 pitch windings and advanced voltage regulation, this unit is optimized for non-linear loads and seamless network integration.

## Performance Metrics

### Power Ratings

**250 kVA**

Rated Power (kVA)

**200 kW**

Rated Power (kW)

## Electrical Specifications

### Insulation Class

Class H

### Voltage Regulation Features

- Automatic Voltage Regulator (AVR) included
- Permanent magnetic excitation
- Transient voltage dip: 20% Un
- Voltage recovery time: 0.2 - 1.0 seconds

### Interference Compliance

Standard	Limit
THF (BS4999 Part 40)	< 2%
TIF (ASA C50.12)	< 50

## Mechanical Design

### Enclosure Rating

IP22, IP23

### Bearing Configuration

Single or two sealed ball bearings

## Operational Capabilities

### Overload Capacity

- 150% rated current for 2 minutes
- 110% rated current for 1 hour in six

### Unbalanced Load Tolerance

25 %