

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 %