

# Brushless Alternator

This brushless alternator is designed for power generation. The alternator's brushless design ensures minimal maintenance and reliable performance.



## ADDITIONAL IMAGES



## Product Overview

### ASG Series Synchronous Alternators

The ASG series three-phase A.C. synchronous brushless alternators are engineered with a star connection and neutral point, utilizing a protrude and hide revolving magnetic field. By adopting an advanced automatic voltage regulation (AVR) system, these units ensure consistent output voltage while eliminating the maintenance requirements associated with traditional brush and ring equipment. This design significantly improves operational quality and reduces interference from wireless equipment.

## Technical Performance

### Line-Voltage Sinusoidal Waveform Distortion

Rated Power (PN)	Distortion Rate
> 100 KW	d 2.5%
d 100KW	d 4.0%

Steady-State Voltage Regulation	d±0.5%o ±1.0%
Transient-State Voltage Regulation	+15% to +20% / -10% to 15%
Voltage Setting Range	e±10%Un
Voltage Deviation (Asymmetric Load)	5 %
Cold to Hot State Voltage Variation	2 %

## Construction & Standards

### Insulation Levels

- Class H (Temperature rise limit: 125k)
- Class F (Temperature rise limit: 105k)

### Certifications

CE, ISO, GS

### Bearing Configuration

Double Bearing

### Model

ASG274K