

# Brushless Synchronous AC Alternator

This synchronous AC alternator is designed for power generation. The brushless design enhances reliability and reduces maintenance.



## ADDITIONAL IMAGES



## Product Overview

### ASG Series Synchronous Alternator

The ASG series three-phase AC synchronous brushless alternator is engineered for reliable, high-performance power generation. By eliminating traditional slip rings and brushes, this unit utilizes an advanced brushless excitation system to reduce maintenance requirements and minimize wireless interference. Equipped with an integrated automatic voltage regulation (AVR) system, it ensures precise output voltage stability across diverse industrial and commercial applications.

## Performance Metrics

### Transient-state Voltage Regulation

- Positive:  $d+15\%$  to  $+20\%$
- Negative:  $d-10\%$  to  $15\%$

Steady-state Voltage Regulation	0.5 %
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Voltage Setting Range	$e\pm 10\%I_n$
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## Electrical Specifications

### Line-Voltage Sinusoidal Waveform Distortion

Power Rating	Distortion Rate
PN > 100KW	d 2.5%
PN d 100KW	d 4.0%

Insulation Levels	Class H (125k rise), Class F (105k rise)
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Voltage Deviation (Asymmetric Load)	5 %
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## Certifications

### Certified Standards

CE • ISO • GS • TUV

## General Info

### Model Series

- ASG274K
- ASG274D

### Connection Type

Three-phase star connection with neutral point