

# Brushless Synchronous Alternator

This brushless synchronous alternator converts mechanical energy into AC electrical energy. It is designed for stable performance in power generation, industrial machinery, and mobile power applications.



## ADDITIONAL IMAGES



## Product Overview

### High-Efficiency Brushless Alternator

The TFW2 series brushless synchronous alternator is designed for reliable power generation across prime, standby, and mobile applications. Its brushless architecture minimizes maintenance requirements while ensuring high efficiency and stable power output. Built for durability, this alternator performs consistently even under varying load conditions.

## Operating Environment

Max Environment Temperature	40 °C
Max Altitude	1000 m
Max Relative Humidity	90 %
Specialized Environments	Muggy/Damp areas, Marine/Boat use

## Technical Specifications

### Key Performance Metrics

<b>2 %</b> Steady-state Voltage Adjusting Rate	<b>5 %</b> Voltage Deviation (Asymmetric load)	<b>5 %</b> Line Voltage Distortion Rate
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### Rotation Speed

- 1500 r/min (50Hz)
- 1800 r/min (60Hz)

Rated Voltage	400/230V, three-phase four-wire system
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## Standards and Compliance

Compliance Standards	IEC, GB/T 15548-95
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