

# Three-Phase AC Synchronous Generator

These three-phase AC synchronous generators are designed to supply electricity for lighting in ships and for household electric devices in towns or villages. The generators feature a drip-proof design, salient pole rotating field, and self-excitation constant voltage.



## Product Overview

### STC Series Synchronous Generators

The STC series is designed as a compact, reliable power-generating unit suitable for lighting and household electric devices in residential areas, ships, and remote worksites. These alternators feature a drip-proof, salient pole rotating field design with an emphasis on high-quality magnetic materials and efficient heat radiation. With universal dimensions compliant with international standards, they are easily integrated into diverse global infrastructure environments.

## Technical Specifications

### Insulation Class

Class B

### Performance Metrics

<b>50 Hz</b> Rated Frequency	<b>1500 RPM</b> Rated Speed	<b>230 V</b> Standard Voltage
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### Protection & Design

Drip-proof, IP21, Rugged Steel Housing

### Excitation Type

Harmonic wave self-excitation constant voltage system

## Key Features

### Key Advantages

- Rugged roll steel plate housing for better heat radiation
- Digital volt or Hertz meter resistant to vibration
- Strong CAD-designed end shield
- Optional AVR excitation system for stable voltage
- Patent-design control box for vibration abatement