

# Single-Phase AC Synchronous Generator

The ST series generators are designed to serve as a power generating unit of small capacity. They supply electricity for lighting in ships and for household electric devices in towns or villages.



## Product Overview

### Reliable Power Generation

The ST series single-phase AC synchronous generators are engineered for high-performance, constant voltage power supply in small-capacity applications. Featuring a drip-proof, salient pole rotating field design, these units are robust, easy to maintain, and built with high-quality electrical materials. They are suitable for both maritime lighting and residential power needs, meeting international standards for performance and reliability.

## Technical Specifications

### Key Performance Metrics

**50 Hz**

Frequency

**1500 r.p.m**

Rated Speed

**1 cos $\phi$**

Power Factor

Insulation Class

Class E, Class B

## Models and Capacity

### Series Configuration

Model	Output (kW)	Voltage (V)	Series Current (A)
ST-1	1	230	8.7
ST-2	2	230	17.4
ST-3	3	230	26
ST-5	5	230	43.5
ST-7.5	7.5	230	65.2
ST-10	10	230	87
ST-12	12	230	104

## Operational Features

### Coupling Methods

- Direct coupling
- V-belt coupling

Operation Mode

Continuous Duty