

Single-Phase AC Synchronous Alternator

This single-phase AC synchronous alternator provides a robust and reliable power generation solution. The brushless generator features a 7.5 kW power output with a power factor of 1.0, operating at 230V and 50Hz with insulation class B and IP21 protection.



ADDITIONAL IMAGES



Product Overview

Professional Power Generation

The ST series synchronous alternators are engineered for reliable, constant voltage electricity generation in diverse environments ranging from maritime vessels to residential applications. These generators feature a robust, drip-proof, salient pole rotating field design built with high-quality electromagnetic materials for superior performance. Designed for ease of maintenance and long-term durability, these units comply with international standards to ensure seamless integration into global power systems.

Performance Metrics

Power Rating

75 kW

Max Power Output

1500 r/min

Rotational Speed

Technical Specifications

Electrical Characteristics

| Parameter | Details |
|------------------|------------------|
| Rated Voltage | 380V |
| Phase | Three-Phase |
| Insulation Class | Class B or F |
| Protection Class | IP44, IP54, IP55 |

Operating Environment

Operating Limits

- Altitude: Not exceeding 1000m
- Ambient Temperature: -15°C to 40°C
- Relative Air Humidity: Maximum 90%

Construction

Design Features

Drip-proof, Salient pole, Cast iron/Aluminum housing, IC0141 Cooling