

# Brush Alternator for Power Generation

This brush alternator is designed for power generation applications. It features a brush-type excitation system suitable for both single-phase and three-phase power output.



## ADDITIONAL IMAGES



## Product Overview

### Reliable Power Generation Solution

The STC Series Synchronous Alternator is designed for diverse electric power requirements, serving towns, villages, farming, construction, and remote areas. Featuring a drip-proof, brush-type construction with a rotary field and harmonic excitation system, this unit ensures ease of operation and simple maintenance. It is highly versatile, capable of functioning as a primary power source or as a standby unit for emergency purposes.

## Electrical Specifications

Rated Line Voltage	400 V
Phase Voltage	230 V
Frequency	50 Hz
Power Factor	0.8
Connection Type	Three-phase four-wire (star connection with single neutral point)

## Performance & Operation

Voltage Regulation	Maintains constant voltage within 0-100% load variation and 3% prime mover revolution change
Rotation Direction	Clockwise or counter-clockwise

## Construction & Design

### Design Features

- Drip-proof construction
- Rotary field system
- Harmonic excitation system

### Housing Material

Cast iron

## Certifications

### Compliance Standards

CE • ISO • GS • TUV Verified