

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