

Brushless Three-Phase AC Synchronous Alternator

Brushless series three-phase AC synchronous alternator designed for reliable power generation. The alternator has a robust construction, efficient cooling system, and a digital display for monitoring performance parameters.



Product Overview

Reliable Brushless AC Synchronous Alternators

This series of brushless three-phase AC synchronous alternators is engineered for stable and consistent power generation in demanding industrial environments. Featuring a robust construction and an efficient cooling system, these units are designed for long-lasting performance and reliability. The integrated digital display allows for real-time monitoring of essential performance parameters, ensuring optimal operation across various power requirements.

Suitable Applications

Industrial Power, Standby Generation, Continuous Output, Stable Voltage

Technical Highlights

Key Performance Metrics

1500 r/m

Rated Speed (50Hz)

1800 r/m

Rated Speed (60Hz)

4

Pole Number

Model Specifications

Detailed Model Parameters

Model	Output (KW)	Output (KVA)	Voltage (V)	Packing Size (mm)
TFDW-8	8	8	220/110	730*430*620
TFDW-20	20	20	220/110	760*450*690
TFDW-50	50	50	220/110	940*540*770
TFW-10	10	12.5	400	730*430*620
TFW-30	30	37.5	400	940*540*770
TFW-50	50	62.5	400	940*540*770

Electrical Characteristics

Power Factor (cos) ϕ

0.8

Phase

Three-Phase

Construction & Design

Excitation Type

Brushless • Synchronous

Design Features

- Efficient cooling system
- Digital performance display
- Robust industrial construction
- High-insulation class materials