

22.5 kVA - 47.3 kVA Brushless Alternator

This brushless alternator provides power ranging from 22.5 kVA to 47.3 kVA. Its design ensures reliable power generation for various applications.



Overview

NF-184 Series Brushless Alternator

The NF-184 series brushless alternator is engineered for reliable power generation across a range of 22.5 kVA to 47.3 kVA. Designed with advanced automatic voltage regulation and a unique convex pole rotating magnetic field, it ensures stable electrical output even under severe operating conditions. The unit features a 2/3 pitch winding to suppress neutral currents and is built for easy maintenance, making it an ideal choice for diverse industrial and land-based power applications.

Performance Metrics

Power Output Range

22.5 kVA

Minimum Power

47.3 kVA

Maximum Power

Electrical Quality Standards

Metric	Limit
Voltage sine waveform distortion	d5%
Telephone harmonic factor (THF)	d2%
Telephone Interference Factor (TIF)	d50

Design & Construction

Core Design Features

- Brushless design for reduced maintenance
- Unique convex pole rotating magnetic field for improved heat dissipation
- 2/3 pitch winding to suppress excessive neutral currents
- Full continuous damping winding
- Single-pivot and full-pivot mounting structure

Excitation Systems

Auxiliary Winding, Phase Combination, Permanent Magnet Generator (PMG)

Compatibility

Compatible AVR Models

SX460 • MX321 • MX341 • SX440 • SX40T • AS440