

LK Series Alternator

The LK Series Alternator is a robust and efficient power generation solution designed for a variety of applications. It is engineered to provide stable and efficient power output, making it suitable for both prime and standby power systems.



ADDITIONAL IMAGES



Overview

High-Performance Synchronous Alternators

This series of brushless synchronous alternators is engineered for reliable power generation in both standby and prime applications. Featuring a robust steel shell construction and an advanced full-damping rotor design, these units ensure stable operation even in rugged environments. Equipped with automatic voltage regulation (AVR) and brushless self-exciting technology, they deliver consistent performance suitable for critical infrastructure like telecommunications, hospitals, and industrial facilities.

Technical Specifications

Insulation Class

Class H

Protection Class

IP23

Voltage	400/230V or 230V (optional)
Frequency	50Hz, 60Hz
Rated Speed	1500/1800 rpm
Pole Number	4
Power Factor	0.8 / 1

Performance Metrics

Voltage Regulation

1 %

Stable Voltage Rate

Waveform Distortion

Parameter	Limit
Telephone Harmonic Factor (THF)	< 2.5%
Telephone Interference Factor (TIF)	< 50

Operating Conditions

Environmental Limits

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

Applications

Common Applications

Telecommunications, Data Centers, Airports, Hospitals, Industrial Factories, Marine Power, Mining