

# 10kW AC Alternator with Copper Wire

This AC alternator utilizes 100% copper wire to ensure optimal conductivity and performance. It is a 10kW model and has received CE certification.



## Overview

### High-Performance 10kW AC Alternator

This 10kW AC alternator features robust 100% copper wire construction, designed for reliable power generation in industrial and marine environments. It offers flexible installation options with dynamic balancing and is compliant with major international electrical standards. Engineered for efficiency, it supports easy integration with power grids and includes advanced features like optional PMG excitation.

## Electrical Specifications

### Performance Metrics

<b>10 kW</b> Power Rating	<b>12.5 kVA</b> KVA Rating	<b>400 V</b> Voltage	<b>17.9 A</b> Rated Current	<b>1500 RPM</b> Speed	<b>50 Hz</b> Frequency
<b>Power Factor</b>	0.8				

## Compliance & Standards

<b>Compliance Standards</b>	GB755, BS5000 PART 3, VDE0530, NEMA MG1-32, IEC-34, CSA C22-100, AS1359, CE
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## Construction & Design

<b>Insulation Class</b>	H
<b>Enclosure Protection</b>	IP23
<b>Mounting Method</b>	Single Bearing
<b>Weight</b>	120 kg

## Technical Features

### Key Features

- 100% Copper wire construction
- Optional PMG alternator for invariable excitation
- Standard 2/3 pitch winding to avoid excessive neutral current
- Dynamically balanced rotor
- Easy voltage adjustment with 6/12 leads

### Telephone Interference Levels

Standard	Limit
THF (BS EN60034-1)	< 2%
TIF (NEMA MG1-22)	< 50