New Energy Vehicle Permanent Magnet Synchronous Motor

High-performance magnetic steel improves the motor's torque and power density. Its lightweight rotor reduces the motor's weight and rotary inertia.

Product Overview

High-Performance EV Propulsion

This Permanent Magnet Synchronous Motor is engineered specifically for new energy vehicle applications, focusing on maximizing torque and power density. It features a lightweight rotor design to minimize rotary inertia and utilizes a rotary transformer for superior anti-interference performance. With an IP67 protection rating, this motor offers robust resistance against water and dust in demanding automotive environments.

Technical Specifications

Efficiency Class
IE4

Protection Class	IP67
Insulation Class	H
Cooling Methods	IC411, IC410, IC416
Frame Material	Aluminum

Operating Conditions

Ambient Temperature Range

-15 °C	40 °C
Min Temp	Max Temp

Voltage	Customized

Key Features

Engineering Highlights

- High performance magnetic steel for improved torque and power density
- Lightweight rotor design to reduce overall weight and rotary inertia
- Rotary transformer for rotor position sensing with strong anti-interference
- Optimized water and dust resistant construction