

E-Mobility Solutions for Electric Motorcycles

Your gateway to zero emission



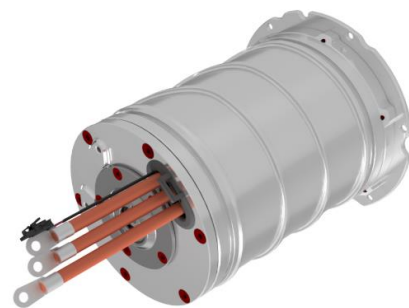
Among the key components of an EV, the electric motor plays a critical role in determining its performance and efficiency. In recent years, Permanent Magnet Synchronous Motors (PMSM) and their controllers have emerged as the preferred choice for e-mobility applications.

Radial and axial flux PMSM motors are the ideal choice for e-mobility applications because of their high efficiency, power density, variable speed capability, and low maintenance requirements. They are also compatible with a wide range of battery technologies, which makes them flexible and adaptable to different types of EVs.

Maximum Values of 5 F 13 11			
Max. Supply Voltage	360 V. DC	Maximum Torque	90 Nm.
Max. Speed	14.000 rpm	Maximum Current	180 A.

Motor Specs		
Nominal Speed	8.200	rpm
Nominal Torque	35	Nm.
Nominal Current	65	A.
Nominal Power	30	kW.
Peak Power	85	kW.
Supply Voltage	360	V. DC
Efficiency	91	%
Number of Phase	3	
Voltage Constant	36	V / krpm
Torque Constant	0,538	Nm./A.
Resistance	0,02	ohm
Inductance	0,145	mH.
Number of Poles	6	

- **Liquid Cooling**
- **IP65 Protection**
- **Encoder Feedback**
- **PT1000 Thermal Protection**



Motor Controllers are available on request