

E-Mobility Solutions for Electric Vehicles - EVs (L Segment)

*Your gateway to zero emission*



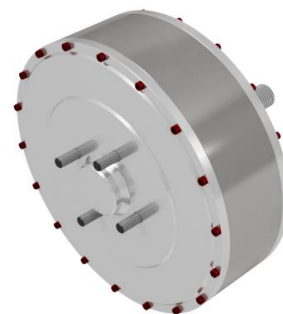
Among the key components of an EV, the electric motor plays a critical role in determining its performance and efficiency. In recent years, Permanent Magnet Synchronous Motors (PMSM) and their controllers have emerged as the preferred choice for e-mobility applications.

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.

HUB Motor Maximum Values			
Max. Supply Voltage	96 V. DC	Maximum Torque	130 Nm.
Maximum Speed	1300 rpm	Maximum Current	195 A.

Motor Specs		
Nominal Speed	1000	rpm
Nominal Torque	72	Nm.
Nominal Current	105	A.
Nominal Power	7,5	kW.
Peak Power	10	kW.
Supply Voltage	72	V. DC
Efficiency	94	%
Number of Phase	3	
Voltage Constant	45,4	V / krpm
Torque Constant	0,69	Nm./A.
Resistance	0,009	ohm
Inductance	0,055	mH.
Number of Poles	40	

- **Outer Runner**
- **Air Cooling**
- **IP54 Protection**
- **PT100 Thermal Protection**
- **Hall Effect Sensor Feedback**



Motor Controllers are available on request