

Motor Stator Busbar

Flexible, multi-phase, motor stator busbars provide highly efficient power connectivity between motors and inverter control units, while improving current flow, minimizing resistance, and accommodating thermal cycling.

EXCELLENT ELECTRICAL PERFORMANCE



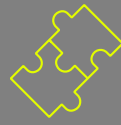
Robust connection between the stator windings of an electric motor and its power source.

THIN AND LIGHTWEIGHT



Compact one-piece construction eliminates bulky wiring and provides durable, long-life connections.

FULLY CUSTOMIZABLE DESIGN OPTIONS



Our motor stator technology can be adapted to fit any size and type of motor, with 100% custom control over all form and function.

APPLICATIONS

High-voltage traction drive motors, integrated drive modules, low-voltage motion control and servo-steering motors:

- + Electric vehicles
- + Commercial transportation

01. FLEXIBLE PHASE CONNECTIONS

- + Reduces the size and weight of a motor by eliminating complex cable connection.
- + Improves electrical conductivity and electrical performance with efficient designs and eliminating wiring errors.
- + Simplifies the supply chain with a one-piece solution.
- + Typical size range: 30mm to 280mm diameter.
- + Integrated phase connectors and interface options.

02. WIRE FORM OPTIONS FOR HAIRPIN MOTORS

- + Compatible laser weld hairpin stator designs.
- + Multi-layered busbar and coated wire construction options: wire-formed and stamped.
- + Integrated high dielectric insulator options.

03. HIGH PERFORMANCE PLASTIC

- + Molded, over molded and assembled construction.
- + Various plastic material options available.
- + Materials and designs compatible with oil cooling requirements.
- + High temperature construction.

04. BRAZE PAD OPTIONS

- + Customized configurations to meet your requirements: laser welded and brazing.



FULL 360° DESIGN

ENNOVI Multi-phase Stator Busbars can be customized to seamlessly fit your EV application.

