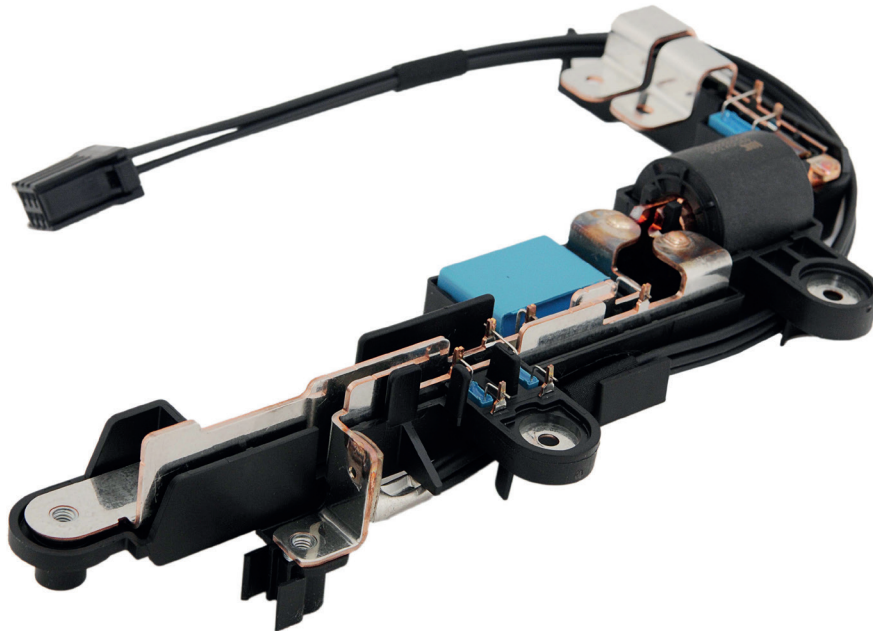


High-power Assemblies



Features and Benefits

High-power assemblies are used in various applications on electric vehicles, as well as for solar and wind energy. As components of hybrid and electric motors, they play a key role in mobility concepts. Swoboda has extensive experience in these future-facing segments.

- Mechatronic assemblies with the highest requirements for ampacity and electrical protection
- Consideration of high residual dirt requirements
- Use of high temperature-resistant materials (including flame protection)
- Manufacturing of complex stamped parts, including press-fit technology and surface prep for bonding
- Preparation and connection of electrical components
- Application of various connection technologies
- Function: To improve the performance of electric motors and drives, EMC protection among others
- Products: Power modules, input/output filters, DC/DC inverters among others
- Manufacturing on a global scale

