



Full Electric and Hybrid power units based on IGBT technologies are today entering many new markets worldwide, with the increasing drive to reduce harmful emissions.

friendly means of transport.

Many national Governments worldwide have programmes in place to drive the automotive market into zero or low CO2 emissions by 2040 for new vehicle registrations, with the UK Government announcing plans to succeed in this mission by 2030. Long operational lifetime road vehicles such as goods vehicles, may require a full Electric or Hybrid technology upgrade to their power units at their mid operational lifetime to ensure compliance with the regulatory requirements.

The Zhuzhou CRRC Times Electric Co. Ltd group of companies are developing EV solutions that build on the transportation sector in advanced power electronics, machines and drives "PEMD" technology. The IGBT modules

support the electric commercial and passenger vehicle requirements.

Our Electric Vehicle IGBT product line is available in S0, S1, S2, S3 and M1 package types, covering the range of 750V to 1200V. In addition, the range offers options of flat baseplates for lower cost and pin fin geometry for higher power applications.

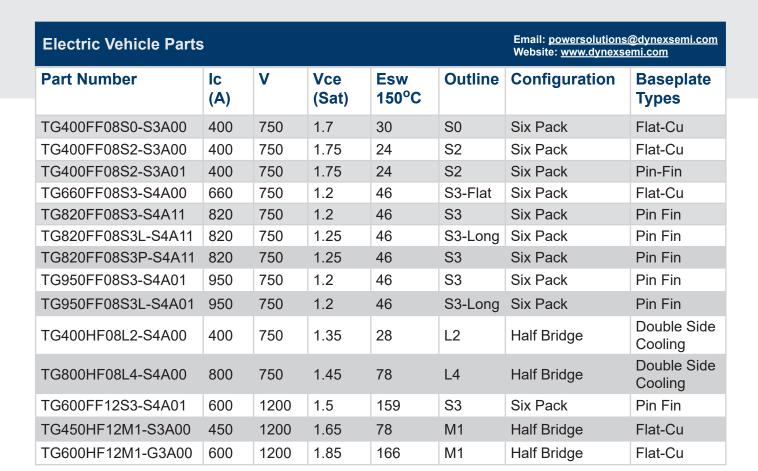
The devices feature low inductive designs, low switching losses and high thermal cycling capability. They provide a cost efficient and reliable product solution required by this application environment.

Our IGBT module range are designed and developed in an environment that fully complies with the automotive EV industry standards AQG-324 and IATF16949, to guarantee the highest reliability assurance.

Electric and hybrid applications include:

- LGV and Electric PSV
- Motor drives
- · Power charging equipment











S0 Package

S3 Package

M1 Package

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