



Traction Converters for Hybrid Vehicles

Kiepe DPU-Hybrid

Description

Hybrid vehicles are becoming more and more important in this age of ever increasing demands for oil. Significant contributions to energy saving can be achieved with hybrid technology.

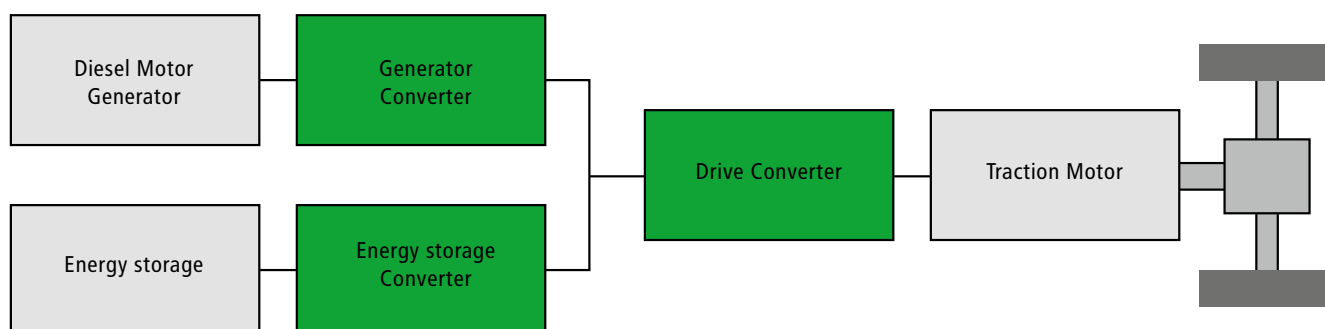
The series of Kiepe DPU-Hybrid Converters are designed for use in diesel-electric, battery-powered or hybrid vehicles. This very compact device integrates both the power electronics as well as the necessary controls.

When used as traction converters, asynchronous traction motors of the 100 kilowatt power class can be controlled in both the engine and brake area. In this way it is possible to beneficially re-use the high peak powers which occur during generative braking by means of a suitable energy storage system.

Space-saving liquid cooling is used for cooling with the water cooling system that is already available in the vehicles.

Kiepe DPU-Hybrid Converters are not only used as traction converters, but are also usable as energy storage converter or generator converter for load distribution between source of energy, energy storage and traction motor.

The permissible tolerance range of the supply voltage takes into consideration the special features of the on-board power systems of diesel motor vehicles.



Technical Data

Nominal input voltage	DC 600 V (+33/-30%)
Nominal output power	130 kW (short-term 280 kW)
Supply voltage	DC 24 V (+25/-30%) ¹⁾
- Power consumption approx.	100 W
Cooling	Water cooling
- Temperature cooling agent	≤ 60° C
Weight approx.	26 kg
Protection class (Housing)	IP 20
Testing according to	EN 61 373, EN 50125-1, EN 50124-1

¹⁾ short-term down to 8 V

Dimensions

