

COPEC CONVERTERS IN HEAVY MOBILITY

COPEC converters are suited for embedded energy applications. Thank to their small volume (4.8L), light weight (9kg) and powerful (50kW), they give possibility to drive multiples HV network inside EV vehicles such as cars, trucks, buses and working machines.

For battery-based vehicle, the COPEC converters can work in Buck mode as a voltage source, and it can power supply 400V ancillaries from an 800V battery.

For hydrogen-based vehicle, the COPEC converters can work in Boost mode as a voltage source, and it can power supply 400V ancillaries from an 200V fuel cell.



COPEC converters are versatile, and they can operate safely as Boost or Buck or as bidirectional converter.

They can be used to provide different conversion profiles as shown below.

EV-vehicle distribution strategy

