

LV-DCDC Converter

Reliable Low-Voltage to Low-Voltage Conversion

The LV DC/DC Converter provides efficient and reliable power conversion between high-voltage battery systems and low-voltage vehicle networks. Designed for demanding electrification applications, it ensures a stable supply for control units, actuators, communication systems, and auxiliary loads under all operating conditions.

Combining high efficiency, compact packaging, and automotive-grade reliability, the converter enables seamless integration into modern battery and vehicle architectures. Its scalable design, advanced communication capabilities, and robust protection functions make it an ideal solution for commercial vehicles, off-highway equipment, and next-generation electrified platforms.

Cooling	Air cooling 0,5 m/s
Voltages	24V-13,5V
Current	20 A (Peak 170A)
Power	1,7 kW (Peak 2,3 kW)
Efficiency	up to 95%
Weight	<3kg
EMC-Standard	EMC CISPR25 class3
Temperatures	-40°C to 90°C
FuSa	ISO 26262, ASIL C

