

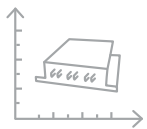


DC-Converter 200-Serie

256E-24-SD

150W, non-isolated DC/DC buck-boost converter

«Designed in Switzerland, made in Germany, proven in the World»



90x90x19mm



230g



150W



SPECIFICATIONS

ultra wide input voltage range	15...70VDC
Max. input peak voltage	75 VDC
efficiency	97% (nominal load)
Output voltage / output power	24.0 VDC / 150 watts
Typical max. output current	6.3 ADC
Extrem high specific power per weight (gravimetry)	0.7 watts/gramm
EMC-type-test	☑

DC-CONVERTER 256E-24-SD

The DC/DC buck-boost converter with a 24V output voltage is specifically designed for use in Automated Guided Vehicles (AGVs) with lithium-ion batteries. Whether you need to convert from 48V to 24V or stabilize 24V to 24V, this converter offers a flexible and reliable solution. Thanks to its wide input voltage range, the converter can be used in a variety of applications with different voltage sources, meeting the high demands of modern transportation systems. Its space-saving and efficient design makes the DC/DC converter 256E-24-SD ideal for installations with limited space. For increased power, multiple devices can be connected in parallel.

FEATURES

- ◇ non-isolated DC/DC buck-boost converter
- ◇ robust and climate proof design
- ◇ excellent thermal characteristics
- ◇ permanently no-load and short-circuit proof
- ◇ integrated EMI input and output filter
- ◇ no power derating
- ◇ for ambient temperatures between -40°C / +85°C
- ◇ thermal shutdown at +90°C
- ◇ CC/CV charging characteristic

Preliminary data sheet

Please check technical data sheet for further information on www.demke-electronic.com