

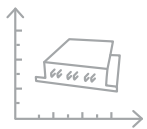


DC-Converter 200-Serie

257LE-24-SD

300W, non-isolated DC/DC buck-boost converter

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



90x90x26mm



355g



300W



SPECIFICATIONS

ultra wide input voltage range	10...35VDC
Max. input peak voltage	37 VDC
efficiency	98% (nominal load)
Output voltage / output power	24.0 VDC / 300 watts
Typical max. output current	12.5 ADC
Extrem high specific power per weight (gravimetry)	0.8 watts/gramm
EMC-type-test	☑

DC-CONVERTER 257LE-24-SD

This non-isolated DC/DC buck-boost converter is widely used as the DC-Converter 257LE and its 24V output at 12.5A typical short circuit current is used for stabilization of a 24V onboard power grid. The L-Version as 257LE-24-SD is designed to start up at about 9.5VDC and to step up the input voltage between 8V and 35V uncompromising to 24VDC. Its undervoltage lockout is 8VDC typical!

Hence, supercapacitor powered electrical systems can be discharged to very low values or 12V battery systems can be regulated to 24V appropriately.

Customer specific modifications as follows can be realized: 12V output, 13.8V output, 27V output, 36V output up to 55V output.

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

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