

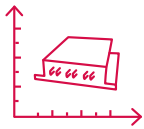


## DC-Transformer 200-Serie

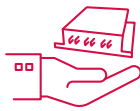
257LEX-12-SD

240W, non-isolated DC/DC buck-boost converter

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



90x90x26mm



355g



240W



### SPECIFICATIONS

ultra wide input voltage range	7...35VDC
Max. input peak voltage	37 VDC
efficiency	97% (nominal load)
Output voltage / output power	12.0 VDC / 240 watts
Typical max. output current	20.0 ADC
Extrem high specific power per weight (gravimetry)	0.7 watts/gramm
EMC-type-test	<input checked="" type="checkbox"/>

### DC-TRANSFORMER 257LEX-12-SD

Short-circuit proof DC/DC step-up converter with 12V output voltage. The Demke DC-Transformer 257LEX with 12V output and up to 20A short-circuit current is designed to stabilise 12V grids. The LEX version works without compromise at very low input voltages from about 7VDC, hence supercapacitor powered systems can be discharged to a very low point and 12V battery applications, including their voltage drops down to 5 VDC to be kept alive easily. Customer-specific DC-DC converters with a wide range of output configurations are possible.

### 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 Datasheet for further information on [www.demke-electronic.com](http://www.demke-electronic.com)