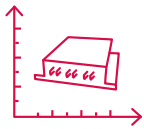


## DC-Transformer 200-Serie

257LE1-29

180W, non-isolated DC/DC buck-boost converter

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



90x90x26mm



354g



180W



### SPECIFICATIONS

ultra wide input voltage range	6...28VDC
Max. input peak voltage	30 VDC
efficiency	96% (nominal load)
Output voltage / output power	29.0 VDC / 180 watts
Typical max. output current	6.5 ADC
Extrem high specific power per weight (gravimetry)	0.5 watts/gramm
EMC-type-test	<input checked="" type="checkbox"/>

### DC-TRANSFORMER 257LE1-29

Short-circuit proof Buck-Boost DC/DC converter or DC charging converter for primary use in supercapacitor powered autonomous systems like automated guided vehicles (AGV) with backup battery on the output side. The very low switch-on threshold of the LE1 version is approximately 7V. At 200W power this DC/DC converter boosts up the input voltage to 29V input currents up to 30A and beyond. Even just before the 6V undervoltage logout threshold, a battery connected on the output side can be charged with maximum short-circuit current. Customer-specific adjustments are possible at any time.

[News article](#) available.

### 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)