



## DC-Transformer 200-Serie

257E-28-SD

360W, non-isolated DC/DC buck-boost converter

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



90x90x26mm



360g



360W



### SPECIFICATIONS

ultra wide input voltage range	15...35VDC
Max. input peak voltage	37 VDC
efficiency	97% (nominal load)
Output voltage / output power	28.0 VDC / 360 watts
Typical max. output current	13.0 ADC
Extrem high specific power per weight (gravimetry)	1.0 watts/gramm
EMC-type-test	<input checked="" type="checkbox"/>

### DC-TRANSFORMER 257E-28-SD

Short-circuit proof buck-boost charging converter for primary use in supercapacitor-powered autonomous systems with an output-side backup battery. The converter with 28V output and up to 13A short-circuit current is designed to power to 13.8V batteries in parallel. The alternative 258E-28-SD with an extended input voltage range of 16 ... 55V for 48V supercapacitor powered systems complements the input voltage range generously.

### 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)