

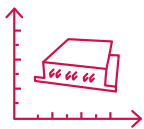


## DC-Transformer 100-Serie

171E-13.8-0n

600W, non-isolated DC/DC buck converter

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



0mm



0g



600W



### SPECIFICATIONS

ultra wide input voltage range	19...58VDC
Max. input peak voltage	63 VDC
efficiency	97% (nominal load)
Output voltage / output power	13.8 VDC / 600 watts
Typical max. output current	45.0 ADC
Extrem high specific power per weight (gravimetry)	
EMC-type-test	<input checked="" type="checkbox"/>

### DC-TRANSFORMER 171E-13.8-ON

The result of the combination of the most modern components and years of development. The DC-DC converter for highest demands. The hardware configuration options are exemplary with shutdown (shutdown with -VBat) and ON/OFF option (enable with +VBat). The E-version with integrated decoupling diode at the output for battery charging function. A cable solution as well as a plug solution (up to 45A) are possible.

### FEATURES

- ◇ non-isolated DC/DC buck 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

Technical data is preliminary. Some parameters may change.  
Modifications welcome!

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

