



## DC-Transformer 100-Serie

145E-13.8-SD

160W, non-isolated DC/DC buck converter

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



77x52x19mm



165g



160W



### SPECIFICATIONS

ultra wide input voltage range	16...100VDC
Max. input peak voltage	125 VDC
efficiency	95% (nominal load)
Output voltage / output power	13.8 VDC / 160 watts
Typical max. output current	12.0 ADC
Extrem high specific power per weight (gravimetry)	1.0 watts/gramm
EMC-type-test	<input checked="" type="checkbox"/>

### DC-TRANSFORMER 145E-13.8-SD

The DC/DC converter with its CC/CV constant current, constant voltage function with its ultra wide input voltage range is universally applicable. The DC-input Battery charger with CC-CV charging function for 24V, 48V, 80V and 96V (2x48V) supply systems can be operated permanently at 100VDC input voltage and withstands sporadically occurring voltage spikes up to 125V.

[News article](#) available.

### 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



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