



DC-Transformer 100-Serie

145E1-27.5-SD

220W, non-isolated DC/DC buck converter

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



77x52x19mm



165g



220W



SPECIFICATIONS

ultra wide input voltage range	30...100VDC
Max. input peak voltage	120 VDC
efficiency	97% (nominal load)
Output voltage / output power	27.5 VDC / 220 watts
Typical max. output current	8.0 ADC
Extrem high specific power per weight (gravimetry)	1.3 watts/gramm
EMC-type-test	<input checked="" type="checkbox"/>

DC-TRANSFORMER 145E1-27.5-SD

Ultra compact, lightweight and potted DC/DC converter with 166gr and 250W power at 27.5V and 8A short circuit current.

Wide range input from 29VDC to 200VDC allows applications from 48VDC, 80VDC and even 96VDC.

Integrated remote on/off with extra-low current consumption in sleep mode, THT version for PCB integration, adaptable output voltage, adaptable output current, highly integrated, excellent voltage quality due to lowest AC components, first-class and fastest regulation, pass-through frequency at 8KHz.

One have to have this thing! Contact us.

The highly integrated, ultra high power density, "plug and play" DC/DC charging converter for mobile applications can be configured by yourself.

Your own DC/DC converter for your supercapacitor powered system with an additional backup battery.

This dc-power supply unit is available for example as: DC/DC converter 19V, DC/DC converter 28V, DC/DC converter 29V and so much more! [News article](#) available.

Please check technical Datasheet for further information on www.demke-electronic.com

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

