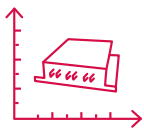


## DC-Transformer 100-Serie

162E-13.8-ON  
300W, non-isolated DC/DC buck converter

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



90x90x26mm



360g



300W



### SPECIFICATIONS

ultra wide input voltage range	16...75VDC
Max. input peak voltage	75 VDC
efficiency	96% (nominal load)
Output voltage / output power	13.8 VDC / 300 watts
Typical max. output current	22.0 ADC
Extrem high specific power per weight (gravimetry)	0.8 watts/gramm
EMC-type-test	<input checked="" type="checkbox"/>

### DC-TRANSFORMER 162E-13.8-ON

Highly integrated DC/DC converter 24V/12V, DC/DC converter 48V/12V and DC/DC converter 60V/12V for battery applications for vehicles.

The voltage converter is optimised for 48V-60VDC vehicle electrical systems and delivers output currents of up to 20A at 12V or 13.8V. State-of-the-art semiconductors and heat dissipation to the housing enable this highly integrated and extremely compact converter with very high power density.

[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)