



## DC-Transformer 300-Serie

344DH-13.8

70W, isolated DC/DC buck converter

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



90x90x21mm



270g



70W



### SPECIFICATIONS

ultra wide input voltage range	22...160VDC
Max. input peak voltage	170 VDC
efficiency	92% (nominal load)
Output voltage / output power	13.8 VDC / 70 watts
Typical max. output current	5.0 ADC
Extrem high specific power per weight (gravimetry)	0.3 watts/gramm
EMC-type-test	<input checked="" type="checkbox"/>

### DC-TRANSFORMER 344DH-13.8

Galvanically isolated DC-DC buck converter with ultra wide input voltage range for use as a battery charging converter. The DC/DC converter is designed for use in Supercapacitor powered systems with 12V backup battery. Due to the isolation, the converter is used where the negative output voltage must be connected to the chassis. The 13.8V output voltage can easily be modified to a 12V output voltage. Fields of application: DC/DC converter 12V, DC/DC converter 13.8V and DC/DC converter 19V for IT-systems.

### FEATURES

- ◇ 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)