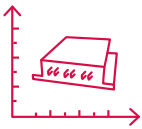


## DC-Transformer 300-Serie

344DH-24

50W, isolated DC/DC buck-boost converter

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



90x90x19mm



230g



50W



### SPECIFICATIONS

ultra wide input voltage range	22...160VDC
Max. input peak voltage	170 VDC
efficiency	93% (nominal load)
Output voltage / output power	24.0 VDC / 50 watts
Typical max. output current	2.0 ADC
Extrem high specific power per weight (gravimetry)	0.2 watts/gramm
EMC-type-test	<input checked="" type="checkbox"/>

### DC-TRANSFORMER 344DH-24

The DC-DC Converter 344DH-24 is the successor to the DC Transformer 344-24-SD. It was specially developed for use in extreme environments and climatic conditions. The EMC properties have been further improved, the current and voltage control even better coordinated. This makes the 344DH-24 universally applicable as a 24VDC power supply. The realization of a customized DC-DC converter with significantly increased output power to e.g. 80W is possible. The type of consumers, whether inductive, capacitive, ohmic, or a combination thereof, e.g. consumers with backup batteries can be easily supplied. Please ask us for further adjustments!

### FEATURES

- ◇ isolated DC/DC buck-boost 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)