

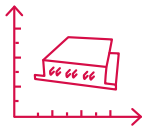


## DC-Transformer 700-Serie

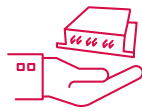
757-48-SD

800W, isolated DC/DC buck-boost converter

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



130x130x27mm



900g



800W



### SPECIFICATIONS

ultra wide input voltage range	19...70VDC
Max. input peak voltage	75 VDC
efficiency	95% (nominal load)
Output voltage / output power	48.0 VDC / 800 watts
Typical max. output current	15.0 ADC
Extrem high specific power per weight (gravimetry)	0.9 watts/gramm
EMC-type-test	<input checked="" type="checkbox"/>

### DC-TRANSFORMER 757-48-SD

The DC/DC converter 757-48-SD with 48VDC output voltage at 15A rated current is ideally suited for 24/7 supercapacitor operated AGVs, shuttles or EVs in common. The constant short-circuit current of approx. 16A and the wide input range of 19 to 70VDC makes this galvanically isolated DC/DC step-up and step-down converter ideal for harsh applications.

Due to the polyurethane encapsulation and the cable connections integrated in the encapsulation, the unit has extremely climate-resistant properties.

Adjustments to the open-circuit voltage and thus the final battery charging voltage are relatively easy to implement and can be made at any time.

We are looking forward to your enquiry!

[News article](#) available.

### 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)