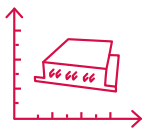




## Master

Master-25X.xx  
400W, non-isolated DC/DC buck-boost converter

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



90x90x26mm



335g



400W



### SPECIFICATIONS

ultra wide input voltage range	18...75VDC
Max. input peak voltage	85 VDC
efficiency	98% (nominal load)
Output voltage / output power	48.0 VDC / 400 watts
Typical max. output current	8.0 ADC
Extrem high specific power per weight (gravimetry)	1.2 watts/gramm
EMC-type-test	<input checked="" type="checkbox"/>

### DC-TRANSFORMER MASTER-25X-XX

This is a DC Transformer Master article - many features are customizable. This master DCDC converter briefly outlines the rough specifications. Its independent current and voltage control allows the Master 25X to be used as a battery charger or as a charge converter with quasi CC-CV charging characteristics as a battery charger with a DC input.

Possible applications: battery-powered or supercapacitor-powered systems, systems with a large DC voltage swing, e.g. from 6V to 48V to feed back into the 48V board network (boosters). A customized DC-DC converter for 48V voltage stabilization, for 24V voltage stabilization, for 12V voltage stabilization, ...

### FEATURES

- ◇ non-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)