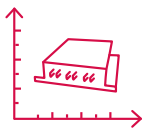




## Master

Master-35X.xx  
100W, isolated DC/DC buck-boost converter

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



77x52x19mm



165g



100W



### SPECIFICATIONS

|  |                                     |
|--|-------------------------------------|
| ultra wide input voltage range                     | 16...160VDC                         |
| Max. input peak voltage                            | 170 VDC                             |
| efficiency   | 94% (nominal load)                  |
| Output voltage / output power                      | 24.0 VDC / 100 watts                |
| Typical max. output current                        | 2.0 ADC                             |
| Extrem high specific power per weight (gravimetry) | 0.6 watts/gramm                     |
| EMC-type-test                                      | <input checked="" type="checkbox"/> |

### DC-TRANSFORMER MASTER-35X-XX

This is a application specific, customizing DC/DC converter.

One of our DC-Transformer Master-Artikel - many features can be customized.

The DC/Dc converter can be realized as:

DC/DC power supply 12V, unipolar und bipolar,  
DC/DC power supply 15V, unipolar und bipolar,  
DC/DC power supply 19V, unipolar oder bipolar,  
DC/DC power supply 24V, unipolar oder bipolar,  
DC/DC power supply 28V, unipolar oder bipolar,  
DC/DC power supply 42V, unipolar oder bipolar.

What are your needs?

### 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
- ◇ bipolar or doubled output



Please check technical Datasheet for further information on [www.demke-electronic.com](http://www.demke-electronic.com)