

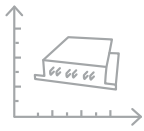


## DC-Converter 300-Serie

344-24

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	96% (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-CONVERTER 344-24

Galvanically isolated DC/DC converter, 24V, 2A for customised pitch systems.

The robust DC/DC converter is the first-class power supply for further pitch products in the low voltage range for onshore and offshore wind turbines from 200kW to 6MW.

Due to the ultra-wide DC input range of 22...160VDC the Demke DC-Converter 344-24 can be operated reliably at different supply voltages.

Built from the highest quality components, this DC/DC converter achieves a MTTF value of 1'650'000h, which was calculated according to SN29700 at approx. 70°C.

### 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 data sheet for further information on [www.demke-electronic.com](http://www.demke-electronic.com)