





DC-Transformer 300-Serie

344-24

50W, isolated DC/DC buck-boost converter

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









90x90x19mm

SPECIFICATIONS

230g

ultra wide input voltage range	22160VDC
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	V

DC-TRANSFORMER 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-Transformer 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
- \Diamond 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