



## DC-Transformer 300-Serie

365DH-27-SD

200W, isolated DC/DC buck-boost converter

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



90x90x26mm



375g



200W



### SPECIFICATIONS

ultra wide input voltage range	22...100VDC
Max. input peak voltage	125 VDC
efficiency	92% (nominal load)
Output voltage / output power	27.0 VDC / 200 watts
Typical max. output current	8.0 ADC
Extrem high specific power per weight (gravimetry)	0.5 watts/gramm
EMC-type-test	<input checked="" type="checkbox"/>

### DC-TRANSFORMER 365DH-27-SD

DC/DC battery charging converter with 27V output and wide range input from 22VDC to 100VDC.

A popular application of this galvanically isolated and parallel-switchable DC/DC converter are automated guided vehicles (dc-dc converter AGV), which are permanently in 24/7 use and are supplied with supercapacitors on the primary side (supercapacitor DC/DC converter).

The constant current on the output side in cc mode ensures direct charging of a connected battery (DC/DC converter CC, CV).

The DC/DC converter 365DH-27-SD gets a facelift with the primary side controllable increase of the output voltage to 29V, so that the converter can be used for lead batteries and Li-Ion battery systems.

Please contact us for customised dc dc converter adaptions.

### 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)