



PRODUCT DATASHEET

365DH-24-SD

Item No. 365.006

365DH-24-SD | Galvanically isolated DC/DC buck-boost converter 48 VDC to 24 VDC, 200 W



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

INPUT VOLTAGE

18 - 100 VDC

OUTPUT VOLTAGE

24 VDC

OUTPUT POWER

200 W

DIMENSIONS & WEIGHT

**90 x 90 x 26 mm ·
370 g**

KEY SPECIFICATIONS

Isolation	Galvanically isolated
Input voltage	18 - 100 VDC (nom. 48 VDC)
Output voltage	24 VDC
Output current	8.4 A
Output power	200 W
Max. efficiency	92 %
Isolation strength	2100 VDC
Operating temperature	-40 to 85 °C
Dimensions (L x W x H)	90 x 90 x 26 mm
Weight	370 g
Mounting	Wall mounting
Connection	Pin header
Max. input current	12 A
Recommended input fuse	15 A
Switching frequency	135 kHz

PRODUCT OVERVIEW

The 365DH-24-SD by Demke Electronic is a galvanically isolated DC/DC buck-boost converter for a nominal input voltage of 48 VDC. It operates across an input voltage range of 18 to 100 VDC and delivers 24 VDC at up to 8.40 A, equivalent to 200 W of output power. Efficiency reaches up to 92% at nominal input voltage and full load.

PRODUCT FEATURES

- CC/CV charging characteristic
- Suitable for active loads and parallel operation
- Continuous no-load and short-circuit proof
- EMI filter at input and output
- No power derating within the specified temperature range
- Low input ripple and noise
- Ultra-wide input voltage range
- Shutdown input (SD)

STANDARDS & COMPLIANCE

REACH	RoHS	CE	IEC 60068-2-6:2007 TYPE-TESTED	IEC 60068-2-27:2009 TYPE-TESTED	EN 61000-6-4 TYPE-TESTED
EN 61000-4-4 TYPE-TESTED	EN 50155	EN 61000-4-5 TYPE-TESTED	EN 61000-6-2 TYPE-TESTED	EN 61000-4-6 TYPE-TESTED	
EN 61000-4-2 TYPE-TESTED	EN 55022 < Class A TYPE-TESTED	+1			

