



# **VOLTCRAFT®**

## **VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY**

“For more than 25 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft’s success.”

# **SDC 2412-5**

## **DC/DC CONVERTER**

**Nº 51 23 09**

**CE**

VERSION 08/09

This voltage converter produces an output voltage of 13.8 V/DC from a 18 - 38 V/DC voltage source. The maximum nominal current consumption is 5 A. Using the new switching power supply technology, high efficiency with a reduced size and weight is achieved. The converter is equipped with reverse polarity protection, power surge protection and short circuit protection. Furthermore, it is also protected against dust and vibrations and is therefore ideally suited for use in off-road vehicles. An operating switch is not necessary due to the low standby current consumption.

## **HIGHLIGHTS**

**Protection against surges, overloads, reverse polarity and short circuit //**

**High efficiency and low heat dissipation //**

**Dust and vibration protection //**

**18 - 38 V/DC to 13.8 V/DC //**

**5 A max. output //**

**Robust aluminium housing //**

**Earthing contactor circuit //**

**Clip-holder //**



# GENERAL SPECIFICATIONS

**OPERATING VOLTAGE:** 18 V/DC to 38 V/DC **OUTPUT VOLTAGE:** 13.8 V/DC **NOMINAL OUTPUT CURRENT:** 5 A  
**MAX. OUTPUT CURRENT (30% OPERATING LOAD):** 7 A **EFFICIENCY FACTOR:** > 89 % **WEIGHT:** 190 g  
**DIMENSIONS (W X H X D):** 75 x 77 x 32 mm

## TECHNICAL DATA

Operating voltage:	18 - 38 V/DC
Output Voltage:	13.8 V/DC
Standby power consumption:	< 20 mA
Nominal output current:	5 A
Max. output current (30% operating load):	7 A
Ripple voltage / residual ripple:	< 100 mVpp / < 10 mVrms
Load control (0-100%):	< 50 mV
Linearity:	< 50 mV
Efficiency:	> 89 %
Contacts:	Flat contacts
Max. operating temperature:	50°C
Fuse (internal):	8 A

## PACKAGE CONTENT

DC/DC – converter // Clamp mounting with mounting screws // Cable lugs // Operating instructions

This data sheet is published by Voltcraft®, Lindenweg 15, D-92242 Hirschau / Germany, Phone +49 180 586 582 7. The data sheet reflects the current technical specifications at time of print. We reserve the right to change the technical or physical specifications.