udomi GmbH
Telefon: +49-7942-9420891
Hochfeldstraße 8
Telefax: +49-7942-9420898
D-74632 Neuenstein
email: sales@udomi.de
Deutschland
www.udomi.de

Fuel Cell Components

DC-DC converter DCDC14

Highly efficient and compact DC-DC converter for fuel cell systems. Converts input voltages as low as 1.7VDC (max. 12VDC) to a stable 14.2VDC output voltage. With the 14,2V output it is possible to supply standard 12V devices or charge 12V lead acid batteries. Other output voltages for example 14.2VDC to charge lead acid batteries on request. Suitable for fuel cell stacks with min. 4 cells. Input current max. 10A. Multiple DCDC14 modules can be connected in parallel to achieve higher output power requirements.

DCDC14

The following options are available for the DCDC14:

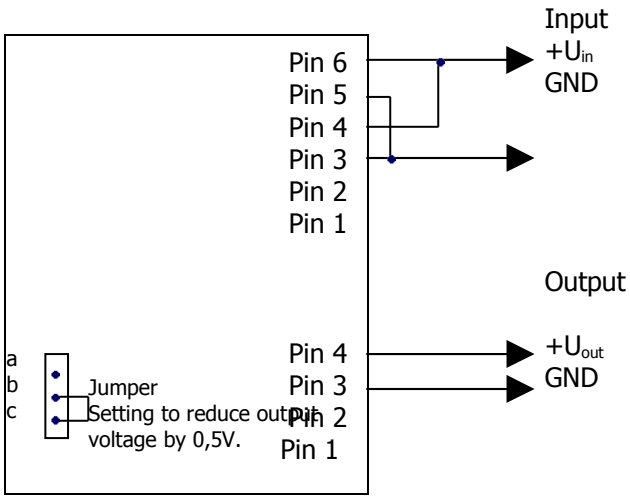
- With temperature controlled charging characteristic to charge lead acid batteries.
- MPP adjustment (based on the number of cells of your fuel cell stack the MPP value can be adjusted for optimized performance)
- Output voltage range 3..30V

Technichal specifications	
Input voltage range	1.7 – 12VDC
Output voltage	14.2VDC (other voltages on request)
Input current	1-10A
Efficiency	max. 91%
Ambient temperature range	-20 to +45°
Dimensions	80x70x14m (without housing)
Weight	60g
Product Description	**Part#**
DCDC Converter 14.2V	DCDC14

Specifications may change without prior notice.

udomi GmbH
Hochfeldstraße 8
D-74632 Neuenstein
Deutschland
Telefon: +49-7942-9420891
Telefax: +49-7942-9420898
email: sales@udomi.de
www.udomi.de

Pinout DCDC14



Technical Specifications:
U_{out} = 14,2VDC (standard)
U_{in} = 1,7V to 12V
$U_{in,MPP}$ = 1,7V other MPP values on request
I_{in}, max = 9A (continuous)
η_{max} = app. 90%

ATTENTION:
Connecting Input or Output voltage with incorrect polarity will damage the device