

Let's start - SOLARC!

First class solar technology!

SOLARC

Your industrial partner for the development and production of high efficiency solar systems and charge regulators.

Start the future of independent mobile energy together with us!



SOLARC

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Elektronik-Wandlereinheiten DCC2 und DCC14

Electronic components for numerous solar applications

SOLARC's electronic converters DCC2 and DCC14 have been specially designed for small solar solutions. They ensure optimum adaptability to a variety of applications.

Characteristics

Designed for reliable conversion of low voltage levels into higher, stable output voltages. Of interest, in particular, for solar modules and fuel cells where the operating point is below an acceptable range and cannot be converted with existing technologies.

Advantages

Elimination of elaborate serial circuits, provision of a stable output voltage relatively independent from the input level, attainment of maximum power at various input and output levels

Available types

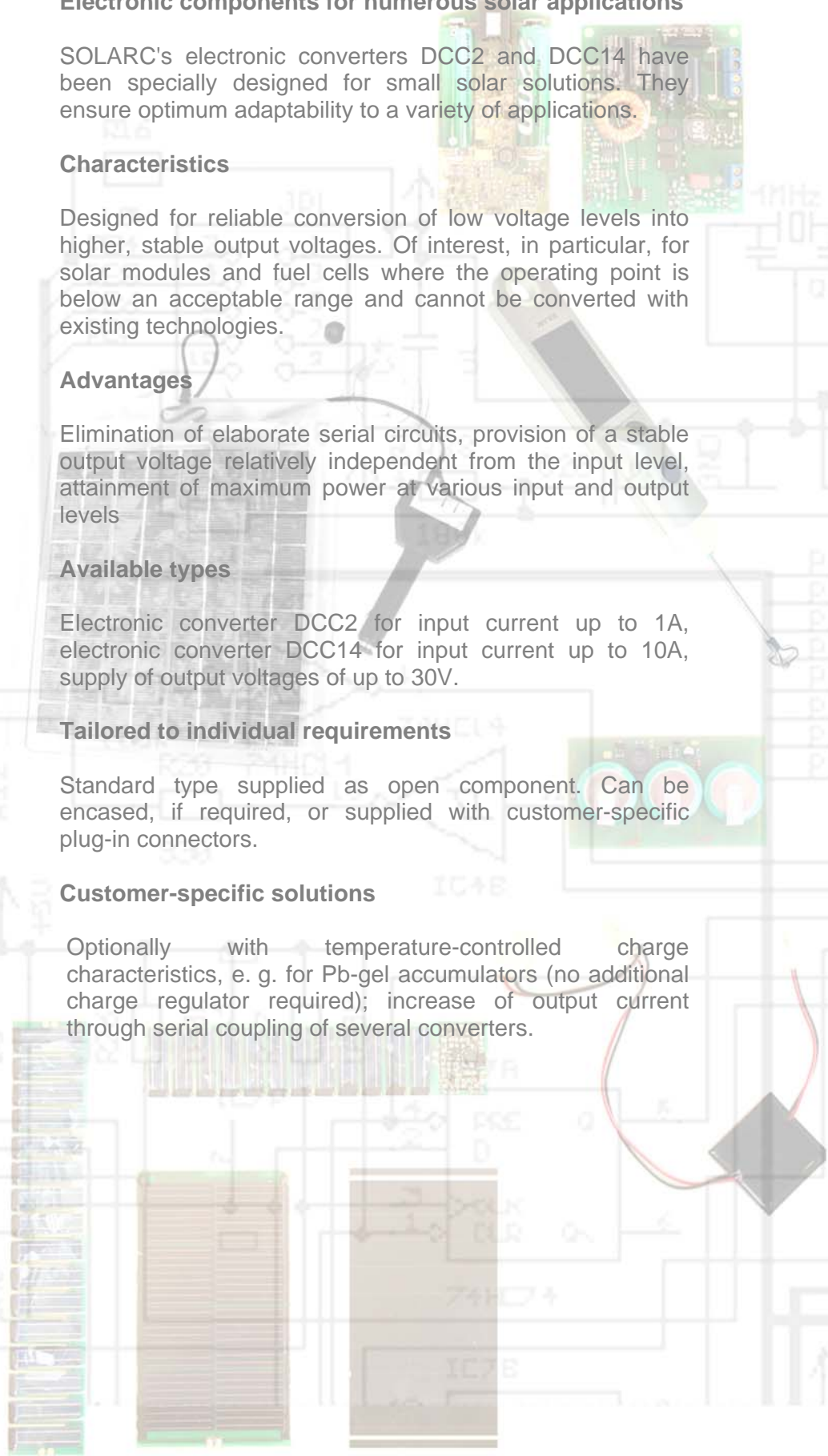
Electronic converter DCC2 for input current up to 1A, electronic converter DCC14 for input current up to 10A, supply of output voltages of up to 30V.

Tailored to individual requirements

Standard type supplied as open component. Can be encased, if required, or supplied with customer-specific plug-in connectors.

Customer-specific solutions

Optionally with temperature-controlled charge characteristics, e. g. for Pb-gel accumulators (no additional charge regulator required); increase of output current through serial coupling of several converters.

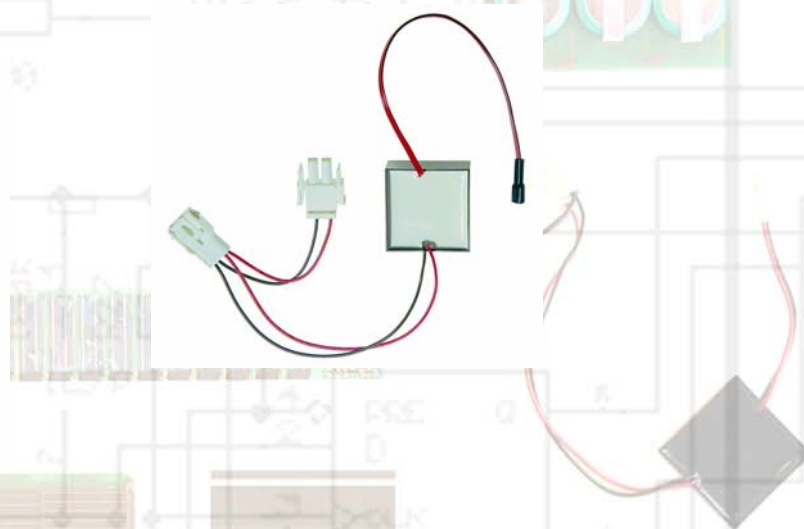


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Technical Data

	Electronic converter DCC2	Electronic converter DCC14
input voltage	Range: 1.7 – 12.0V (costumer-specific adjustment)	Range: 1.7 – 12.0V (costumer-specific adjustment)
output voltage	14.2 ± 0.2V (standard type at 25°C) optional 3 - 30V	12V or 14.3 ± 0.2V (standard type at 25°C) optional 3 - 30V
max. input current	0.6 – 1.0A (depending on type)	1.0 – 10.0 A (depending on type)
max. efficiency	93%	91%
ambient temperature	- 20 ... + 45°C	- 20 ... + 45°C
size	37 x 37 x 14mm (open) 40 x 40 x 20mm (encased) in inches: 1.46 x 1.46 x 0.55in (open) 1.57 x 1.57 x 0.79in (encased)	80 x 70 x 14mm (open) approx. 85 x 75 x 20mm (encased) in inches: 3.15 x 2.76 x 0.55in (open) 3.35 x 2.95 x 0.79in (encased)
weight	approx. 10g (open) approx. 50g (encased) in ounces: approx. 0.35oz approx. 1.76oz	approx. 60g (open) approx. 140g (encased) in ounces: approx. 2.12oz approx. 4.94oz

06/2007, subject to change without notice!



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