

The Boost 300 is a monolithic 4-phase interleaved DC-DC boost converter designed to maximize the power generated by photovoltaic panels independent of temperature and amount of solar radiation.

Optimization of the power conversion is obtained with embedded logic which performs the MPPT (max. power point tracking) algorithm on the PV cells connected to the converter.

Technical Data:

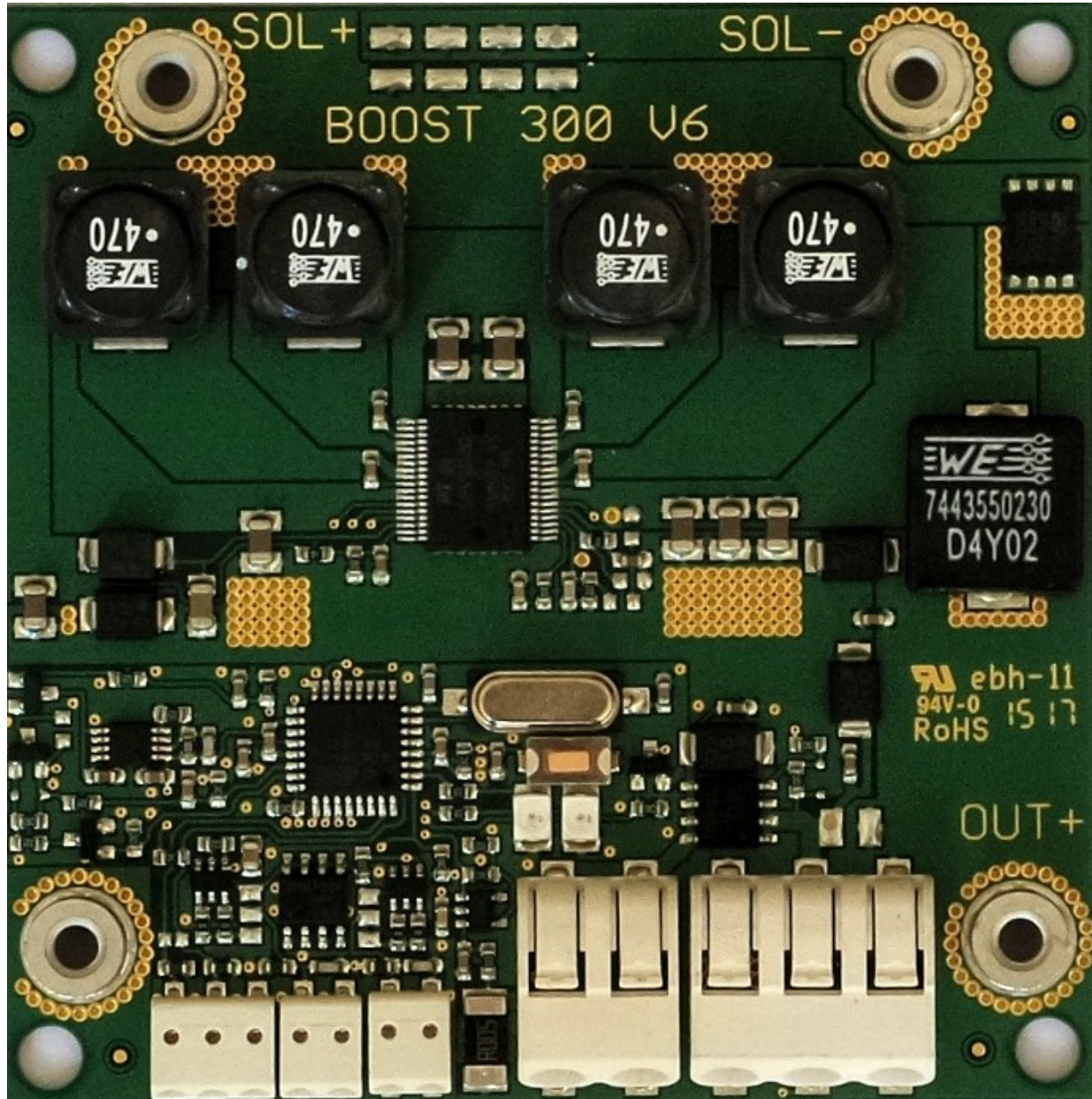
Input voltage:	6.5V – 12V
Output voltage:	14.2V +-0.05V
Max. power(@40V):	128W
Max. output current:	9A
Efficiency:	up to 98%
MPPT accuracy:	0.2%
Temperature:	- 20 to +80°C
Dimension:	80x80x12mm
Terminals:	screw M4
Protection:	overvoltage, overcurrent, overtemperature

SOLARC Innovative Solarprodukte GmbH Glogauer Straße 21, D-10999 Berlin Tel/Fax 030-3198554-00/99 info@solarc.de www.solarc.de	Produkt / Projekt Boost300 V6	Dokument			
	Erstellt 21.07.2015	Autor Baugatz	Geprüft	Autor	Freigegeben

Wiring:

Solar+

Solar-



Battery-

Battery+

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