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Certification body of BV CPS GmbH
Accredited according to EN 45011 -
ISO / IEC Guide 65

Certificate of compliance

Applicant: KACO new energy GmbH
Carl-Zeiss-Str. 1
74172 Neckarsulm
Germany

Product: Grid-tied photovoltaic (PV) inverter

Model: KACO blueplanet 1000 TL3
1000 TL3 M1 IS OD DEX0

Use in accordance with regulations:

The inverter is tested according the IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000 procedure for measuring efficiency.

Applied rules and standards:

IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000

Photovoltaic systems – Power conditioners – Procedure for measuring efficiency

At the time of issue of this certificate the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Report number: 14TH0260-IEC61683

Certificate number: U14-0617

Date of issue: 2014-11-13

Certification body

Dieter Zitzmann



Deutsche
Akkreditierungsstelle
D-ZE-12024-01-01



QUALITY



HEALTH



SAFETY



ENVIRONMENT



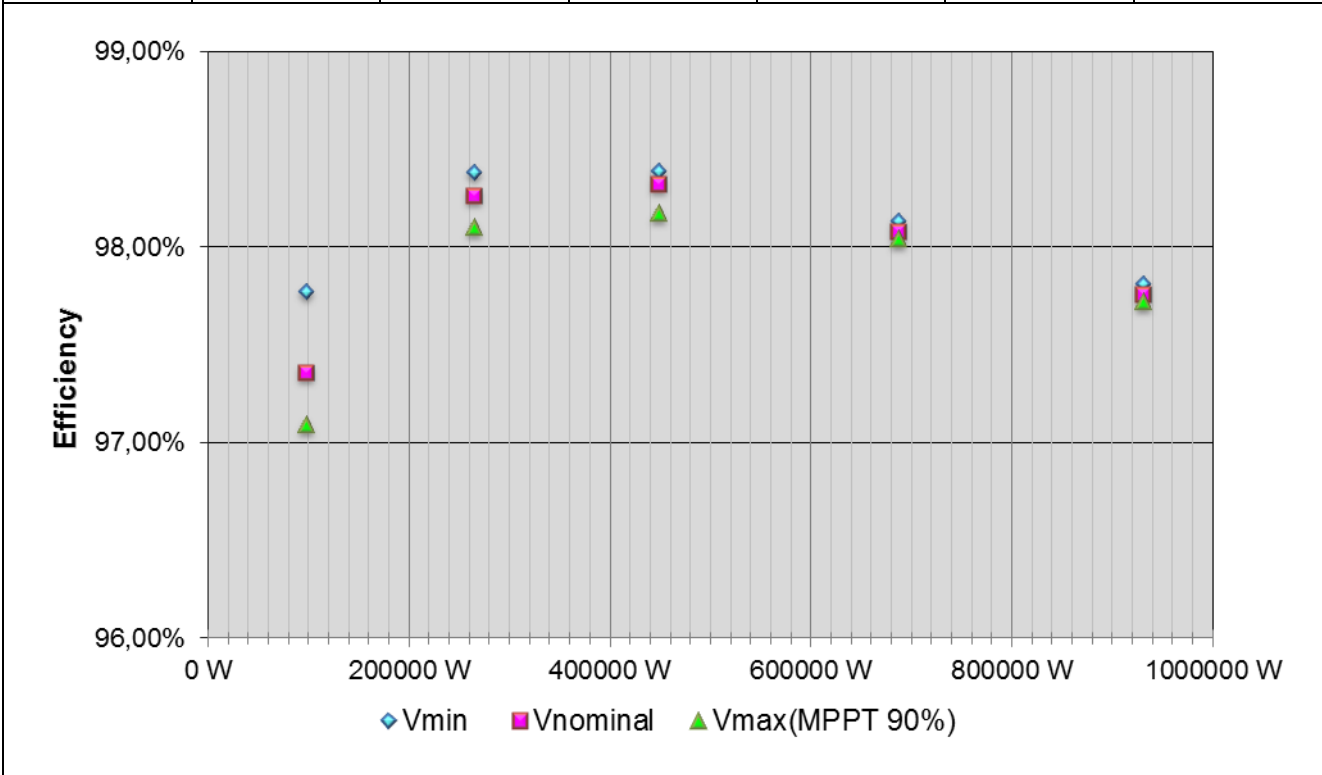
SOCIAL
ACCOUNTABILITY

Measuring of efficiency

Extract from test report according the IEC 61683 Nr. 14TH0260

4. Efficiency measurement conditions test results

Input voltage (Vdc)		Temperature 25°C				
		Power Level				
		10%	25%	50%	75%	100%
		97,66kW	264,89kW	448,54kW	688,05kW	931,05kW
		η in [%]				
Vmin	620*	97,77	98,38	98,39	98,13	97,81
Vnominal	690	97,36	98,26	98,32	98,08	97,76
Vmax (90% MPPT)	747	97,09	98,10	98,17	98,04	97,72



Internal power consumption via auxiliary input in standby : 150,54W (Input: 0V, 0A; Output: 219V, 577mA)

Internal power consumption via auxiliary input at maximum output power : 2,71kW

* according to manufacturer specification tests were done at 620Vdc.

** for information only