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

## Certificate

**Manufacturer / applicant:** **KACO new energy Inc.**  
1st Floor, Dongbang Rental, 333.1 Sangdaewon-dong,  
Jungwon-gu, Seongnam-si, Gyeonggi-do,  
Korea, 462-807

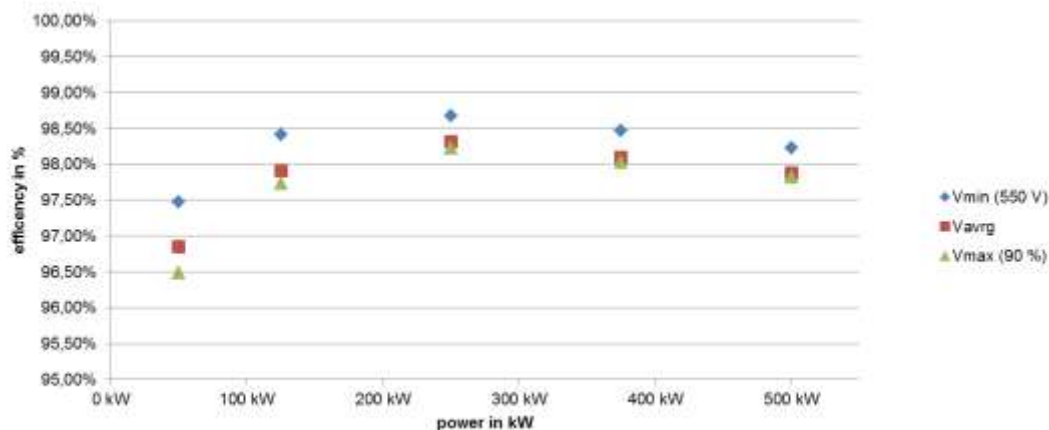
**Product type:** **grid connected photovoltaic inverter**

**Modell:** **Powador XP 500 HV – TL**

**Applicable standards:** **IEC 61683:1999 1st edition**

A representative test sample of above stated model provided the following efficiency measurement test results:

Output power		10%	25%	50%	75%	100%
		50 kW	125 kW	250 kW	375 kW	500 kW
<b>Vmin</b>	<b>550 V d.c.</b>	97,47 %	98,41 %	98,67 %	98,47 %	98,22 %
<b>Vav.value</b>	<b>690 V d.c.</b>	96,85 %	97,91 %	98,31 %	98,09 %	97,88 %
<b>Vmax(90%)</b>	<b>747 V d.c.</b>	96,49 %	97,73 %	98,22 %	98,03 %	97,82 %



Internal power consumption via auxiliary input in stand by: 87,7 W  
Internal power consumption via auxiliary input at maximum output power: 1,26 kW

**BV project number:** **11TH0200**

**Certificate number:** **12-247**

**Date of issue:** **2012-11-16**

**Certification body**

Dieter Zitzmann

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