



Test Certificate No.: **9612329883**

In accordance with Clause 12 of the Standards Law – 1953

Details of order:

Name of customer	: Bureau Veritas Consumer Product Services GmbH
Address	: Businesspark A96, 86842 Türkheim, Germany
Date of order	: 11/10/2016

Description of sample:

Solar Inverter Models	: Powador 12.0TL3-INT Powador 14.0TL3-INT Powador 18.0TL3-INT Powador 20.0TL3-INT Blueplanet 20.0 TL3 M2 WM OD IIG0
Manufacturer	: Kaco New Energy GmbH
Country of origin	: Germany
(see additional product information on pages 2-51)	

Sampling details:

No sample required.

Nature of test:

Review of test reports Ref. No.: 10TH0306-IEC62109-1_7, dated 31/08/2016, 10TH0306-IEC62109-2_0, dated 31/08/2016, and 10TH0306-SI4777_0, dated 05/09/2016, issued by Bureau Veritas Consumer Products Services, Germany GmbH for the above-specified solar inverter models according to the following standards:

IEC 62109-1: 2010 – Safety of power converters for use in photovoltaic power system – Part 1: General requirements
IEC 62109-2: 2011 – Safety of power converters for use in photovoltaic power system – Part 2: Particular requirements for inverters

AS 4777.2: 2005 - Grid connection of energy systems via inverters: Inverter requirements;
AS 4777.3: 2005 - Grid connection of energy systems via inverters: Grid protection requirements, with Deviations for Israel according to the Guidelines for Importers, Installers and Owners of Electricity Generating Systems Using Photo-Voltaic Technology, regarding Adjustment of Photo-Voltaic Inverters: 2013


This document contains 51 pages and may be used only in full.

The test results in this report refer only to the item tested.

This document alone is not sufficient for the release of goods from customs.

Test Conclusions:

Based on the information provided in the above mentioned test reports, the above-specified solar inverter models **comply** with the Israeli requirements for grid-tied photovoltaic inverters.

Anatoly Oimatov 
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Irina Antonov 
Head of Medical Devices, Laser and Electrical Safety Branch

Electronics and Telematics Laboratory
The Standards Institution of Israel
Date: 10/11/2016

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ADDITIONAL PRODUCT INFORMATION

Electrical Ratings

Ratings..... :	12.0 TL3	14.0 TL3	18.0 TL3	20.0 TL3
MPP DC voltage range [V].....:	280 - 800	350 - 800	420 - 800	470 - 800
Input DC voltage range [V]	200 – 1000			
Input DC current [A]	2 x 18,6			
Output AC voltage [V]	230 / 400 (3/N/PE)			
Output AC current [A]	3 x 14,5	3 x 18,1	3 x 21,8	3 x 24,6
Output power [VA]	10000	12500	15000	17000

Ratings..... :	Blueplanet 20.0 TL3 M2 WM OD IIG0
MPP DC voltage range [V].....:	550 - 800
Input DC voltage range [V].....:	200 – 1000
Input DC current [A]	2 x 18,8
Output AC voltage [V]	230 /400 (3/N/PE)
Output AC current [A]	3 x 29
Output power [VA].....:	20000