



Test Certificate No.: 9712304691
In accordance with Clause 12 of the Standards Law – 1953

Details of order:

Table with 2 columns: Field (Name of customer, Address, Date of order) and Value (Bureau Veritas Consumer Product Services GmbH, Businesspark A96, 86842 Türkheim, Germany, 03/02/2017)

Description of sample:

Table with 2 columns: Field (Solar Inverter Models, Manufacturer, Country of origin) and Value (SUNNY TRIPOWER 15000TL - 30, SMA Solar Technology AG, Germany)

Sampling details:

Table with 1 column: Field (No sample required)

Nature of test:

Review of test reports: Ref. No.: 21260180\_001 and Ref. No.: 21260180\_002, dated 25/10/16, issued by TUV Rheinland LGA Products GmbH and 14TH0304-SI477\_1, dated 23/01/17, issued by Bureau Veritas Consumer Products Services, Germany GmbH for the above-specified solar inverter models according to the following standards: IEC/EN 62109-1: 2010 – Safety of power converters for use in photovoltaic power system – Part 1: General requirements IEC/EN 62109-2: 2011 – Safety of power converters for use in photovoltaic power system – Part 2: Particular requirements for inverters AS/NZS 4777.2: 2005 - Grid connection of energy systems via inverters: Inverter requirements; AS/NZS 4777.3: 2005 - Grid connection of energy systems via inverters: Grid protection requirements, with Deviations for Israel according to SI 4777.2:2008, SI 4777.3: 2008 and 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 16 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.

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Date: 09/02/2017

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**ADDITIONAL PRODUCT INFORMATION**

<b>Test item description</b>	<b>Photovoltaic converter</b>
<b>Trade Mark</b>	
<b>Manufacturer</b>	<b>SMA Solar Technology AG</b>
<b>Model/Type reference</b>	<b>SUNNY TRIPOWER 15000TL – 30</b> <b>SUNNY TRIPOWER 17000TL – 30</b> <b>SUNNY TRIPOWER 20000TL – 30</b> <b>SUNNY TRIPOWER 25000TL - 30</b>

**Electrical Ratings**

<b>INPUT</b>	<b>15000TL -30</b>	<b>17000TL -30</b>	<b>20000TL -30</b>	<b>25000TL -30</b>
Max. voltage:	1000 V	1000 V	1000 V	1000 V
MPP-range voltage:	240 V – 800 V	375 V – 800 V	320 V – 800 V	390 V – 800 V
Max. current (Input 1/Input2):	33 A / 33 A			
Max. power:	15330 W	17370 W	20440 W	25550 W
Number of strings:	3/3	3/3	3/3	3/3
<b>OUTPUT</b>				
Grid voltage:	180 V – 280 V			
Grid frequency:	50 Hz / 60 Hz			
Number of phases:	3	3	3	3
Max. current:	29 A	29 A	29 A	36,2 A
Rated current:	21,7 A	24,6 A	29 A	36,2 A
Rated power:	15000 W	17000 W	20000 W	25000 W
Max. apparent power:	15000 VA	17000 VA	20000 VA	25000 VA
Power factor:	1 <i>0 ind. to 0 cap.</i>			
Max. efficiency:	98,4%	98,4%	98,4%	98,4%
European efficiency:	98%	98%	98%	98%
<b>GENERAL INFORMATION</b>				
Dimensions [length x width x height]:	661 x 682 x 264	661 x 682 x 264	665 x 690 x 265	665 x 690 x 265
Operating temperature:	-25°C to +60°C	-25°C to +60°C	-25°C to +60°C	-25°C to +60°C
Max. rel. humidity	100%	100%	100%	100%
Operating Altitude	Max. 3000 meters	Max. 3000 meters	Max. 3000 meters	Max. 3000 meters
Topology	Transformerless	Transformerless	Transformerless	Transformerless
Noise emission:	≤ 51 dB	≤ 51 dB	≤ 51 dB	≤ 51 dB

**This document does not permit marking the product with SII Mark**