



Test Certificate No.: 9712304691

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	: 03/02/2017

Description of sample:

Solar Inverter Models	: SUNNY TRIPOWER 15000TL - 30, SUNNY TRIPOWER 17000TL - 30, SUNNY TRIPOWER 20000TL - 30, SUNNY TRIPOWER 25000TL - 30,
Manufacturer	: SMA Solar Technology AG
Country of origin	: Germany
(see additional product information on pages 2-16)	

Sampling details:

No sample required
--------------------

Nature of test:

<p>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:</p> <p>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</p> <p>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</p>
---


This document contains 16 pages and may be used only in full.
--


<b>The test results in this report refer only to the item tested.</b>
---

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 <b>comply</b> with the Israeli requirements for grid-tied photovoltaic inverters.
--

Anatoly Oimатов   
Product Safety Engineer  
Electrical Safety Branch  
Electronics and Telematics Laboratory  
The Standards Institution of Israel  
Date: 09/02/2017


Vladimir Chernikh   
Senior Product Safety Engineer  
Electrical Safety Branch  
Electronics and Telematics Laboratory  
The Standards Institution of Israel  
Date: 09/02/2017

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

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

Page 2 of 3pages

**ADDITIONAL PRODUCT INFORMATION**

<b>Test item description</b>	Photovoltaic converter
<b>Trade Mark</b>	
<b>Manufacturer</b>	SMA Solar Technology AG
<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	33 A / 33 A	33 A / 33 A	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	180 V – 280 V	180 V – 280 V	180 V – 280 V
Grid frequency:	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	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 0 ind. to 0 cap.	1 0 ind. to 0 cap.	1 0 ind. to 0 cap.	1 0 ind. to 0 cap.
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**