



Test Certificate No.: 9312328887  
In accordance with Clause 12 of the Standards Law – 1953

Page 1 of 2pages

**Details of order:**

Name of customer	: Power One Renewable Energy Solutions Israel Ltd.
Trade mark	: ABB
Address	: 5 Nahum Het St., POB 15081, MATAM, at ABB, Haifa 3190500, Israel
Date of order	: 23/10/2013

**Description of sample:**

Solar Inverter	
Models	: TRIO-8.5-TL-OUTD-S-400
Manufacturer	: Power-One Italy S.p.a.
Country of origin	: Italy
(see additional product information in the attached test report)	

**Nature of test:**

Basic Safety tests and review of test report Ref. No.: 28106225 001 issued by TUV Rheinland Italia S,r.l, Italy on 22.05.14 according to the following standards
AS 4777.2: 2005 Grid connection of energy systems via inverters: Inverter requirements, with Deviations for Israel according to SI 4777 part 2
AS 4777.3: 2005 Grid connection of energy systems via inverters: Grid protection requirements, with Deviations for Israel according to SI 4777 parts 2, 3: 2008
AS 3100: 2009 + A1: 2010 + A2: 2013 General requirements for electrical equipment

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 Certificate No.: 9312328887  
In accordance with Clause 12 of the Standards Law – 1953

Page 2 of 2pages

**Test Conclusions:**


Based on the results of the performed safety tests and the information provided in the above mentioned test reports, the above-specified solar inverter model complies with the Israeli requirements for grid-tied photovoltaic inverters.

The tested model is representative for other models belonging to the same family:

TRIO-5.8-TL-OUTD-400	TRIO-5.8-TL-OUTD-S-400
TRIO-7.5-TL-OUTD-400	TRIO-7.5-TL-OUTD-S-400
TRIO-8.5-TL-OUTD-400	TRIO-8.5-TL-OUTD-S-400

The models referred in this document employ the residual current device.

The inverter shall be adjusted according to Israeli requirements for grid-tied photovoltaic inverters regarding overvoltage/undervoltage, overfrequency/underfrequency protection.

  
Anatoly Oimatov  
Testing Engineer, Electrical Safety Branch  
Electronics and Telematics Laboratory  
The Standards Institution of Israel

Date: 05/03/2015

  
Michael Terman  
Head of Electrical Safety Branch  
Electronics and Telematics Laboratory  
The Standards Institution of Israel

Date: 05/03/2015