



**BUREAU  
VERITAS**

# Certificate of compliance

**Applicant:** **Power-One Italy S.p.A.**  
Via San Giorgio 642  
52028 Terranuova Bracciolini, Arezzo  
Italy

**Product:** **Grid-tied photovoltaic (PV) inverter**

**Model:** **PVI-10.0-TL-OUTD  
PVI-10.0-TL-OUTD-S  
PVI-10.0-TL-OUTD-FS**

**Use in accordance with regulations:**

The inverter(s) are tested according the IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000 procedure for measuring efficiency.

**Applied rules and standards:**

**IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000**

Photovoltaic systems – Power conditioners – Procedure for measuring efficiency

At the time of issue of this certificate the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

**Report number:** **14TH0150-IEC61683**  
**Certificate number:** **U15-0258**  
**Date of issue:** **2015-07-21**

**Certification body**

Dieter Zitzmann



Deutsche  
Akkreditierungsstelle  
D-ZE-12024-01-01

Certification body of Bureau Veritas Consumer Products Services Germany GmbH  
Accredited according to EN 45011 - ISO / IEC Guide 65

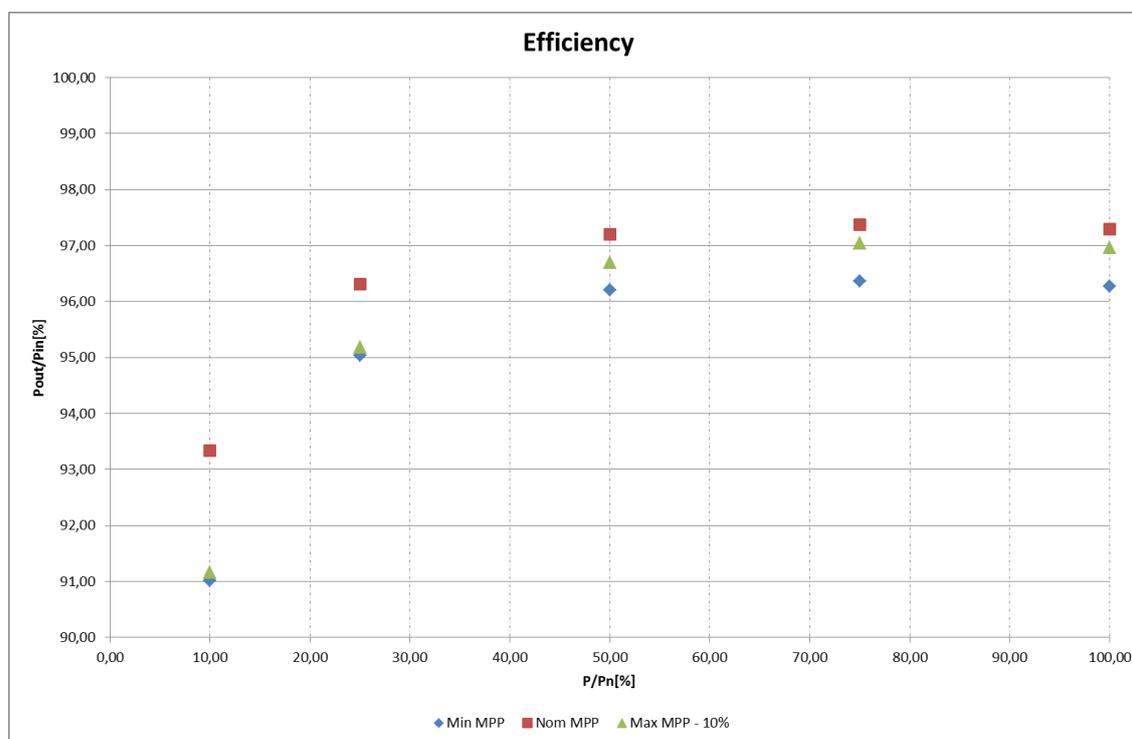
**Measuring of efficiency**

Extract from test report according the IEC 61683

Nr. 14TH0150-IEC61683

**Efficiency measurement conditions test results**

PVI-10.0-TL-OUTD-FS		Temperature 23°C				
Input voltage (Vdc)		Power Level				
		10%	25%	50%	75%	100%
		1kW	2,5kW	5kW	7,5kW	10kW
		$\eta$ in [%]				
$V_{min}$	300V	91,02	95,04	96,21	96,36	96,27
$V_{nominal}$	580V	93,33	96,30	97,20	97,37	97,29
$V_{max}$ (90% MPPT)	675V	91,15	95,17	96,70	97,03	96,96



Internal power consumption via auxiliary input in standby : 10W (Input: 700V, 0,014A; Output: 0V, 0mA)

Internal power consumption via auxiliary input at maximum output power : 404W