



**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: **15TH0150-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

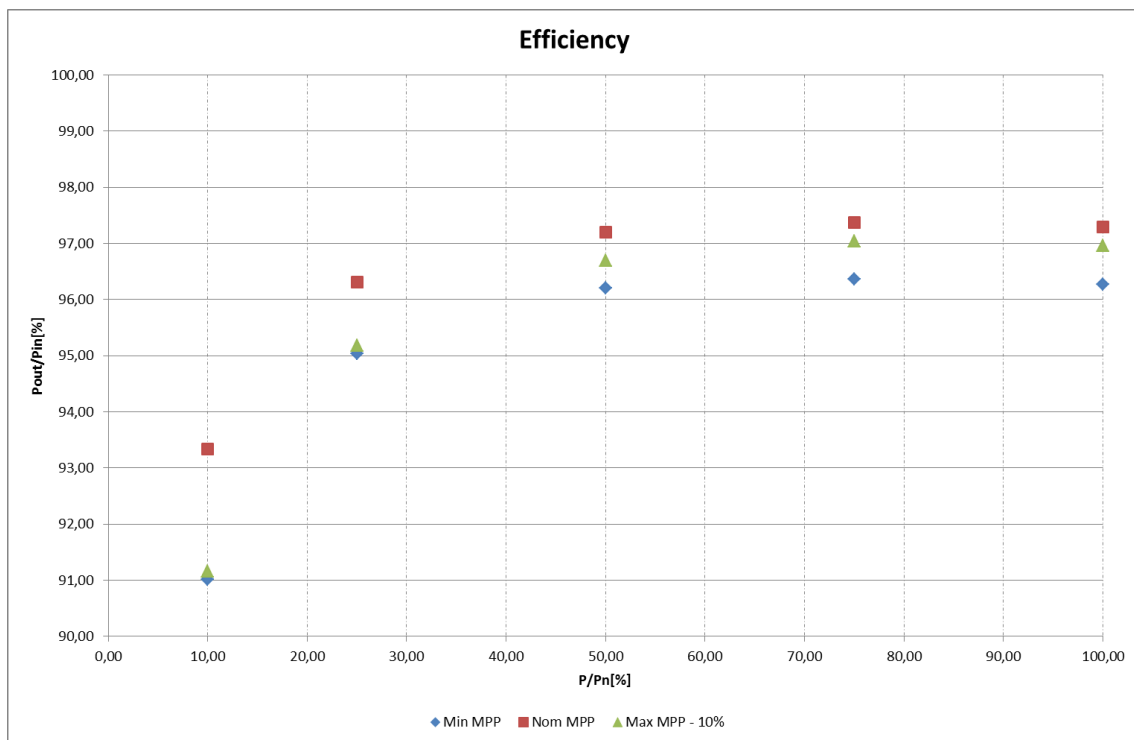
Measuring of efficiency

Extract from test report according the IEC 61683

Nr. 15TH0150-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
		η 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