

Certificate Number: AZ 69020149

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV020149E

This is to certify that TÜV Rheinland Australia Pty Ltd as accredited by JAS-ANZ in accordance with ISO/IEC Guide 65 has examined for compliance with certification standards, the electrical equipment described hereunder and authorises the certificate holder to affix the above mentioned mark to products of the same type; or the Regulatory Compliance Mark (RCM) provided that the requirements of all relevant parts of AS/NZS 4417 applicable to the article are fulfilled

CERTIFICATE HOLDER:

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

DESCRIPTION OF EQUIPMENT

Declared class:

Non-declared

Product:

Solar or Wind Grid-tied Inverter (three-phase)

Trade Name / Manufacturer:

ABB

Model Number:

PVI-(6.0)/(8.0)/(10.0)/(11.0)/(12.5)/(13.8)-series
Models detail information refers to CONTINUATION SHEET 1-4.

Ratings:

Ratings detail information refers to CONTINUATION SHEET 1-4.

Standard:

AS 4777.2-2005
AS 4777.3-2005
AS/NZS 3100:2009+A1+A2+A3
IEC 62109-1:2010
IEC 62109-2:2011

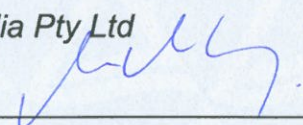
Issue Date:

03/07/2015

Expiry Date:

03/07/2020

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd


Billy Chu



Acc. No. Z2870404AA
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CONTINUATION SHEET 1

Model Number:

PVI-13.8-TL-OUTD; PVI-13.8-TL-OUTD-S;
PVI-13.8-TL-OUTD-FS; PVI-13.8-TL-OUTD-W;
PVI-12.5-TL-OUTD; PVI-12.5-TL-OUTD-S;
PVI-12.5-TL-OUTD-FS; PVI-12.5-TL-OUTD-W;
PVI-11.0-TL-OUTD; PVI-11.0-TL-OUTD-S;
PVI-11.0-TL-OUTD-FS; PVI-11.0-TL-OUTD-W;
PVI-10.0-TL-OUTD; PVI-10.0-TL-OUTD-S;
PVI-10.0-TL-OUTD-FS;
PVI-8.0-TL-OUTD; PVI-8.0-TL-OUTD-S;
PVI-8.0-TL-OUTD-FS;
PVI-6.0-TL-OUTD; PVI-6.0-TL-OUTD-S;
PVI-6.0-TL-OUTD-FS.

Ratings:

All models: 400VAC 3Ø, 50 Hz,
Power Factor >0.95 (adjustable ±0.9 inductive/capacitive),
Class I, Max. operating temp.: +60°C, IP65.

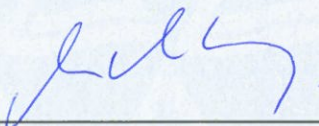
PVI-13.8-TL-OUTD, PVI-13.8-TL-OUTD-S, PVI-13.8-TL-OUTD-FS:

V_{max}: 900V, MPPT: 175-850Vd.c., IDC max: 2 x 18A (2 MPPT),
ISC: 2 x 22A, IAC max: 20A, Max. Output Power: 13,800W ,
Max. operating temp. at Full Power: 45°C (with V_{dc}>450V).

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CONTINUATION SHEET 2

Ratings (cont'):

PVI-13.8-TL-OUTD-W:

Vmax: 900V, MPPT: 100-850Vd.c., IDC max: 36A (1 MPPT),
ISC: 44A, IAC: 20A, Max. Output Power: 13,800 W ,
Max. operating temp. at Full Power: 45°C (with Vdc>450V).

PVI-12.5-TL-OUTD, PVI-12.5-TL-OUTD-S, PVI-12.5-TL-OUTD-FS:

Vmax: 900V, MPPT: 200-850Vd.c., IDC max: 2 x 18A (2 MPPT),
ISC: 2 x 22A, IAC max: 20A, Max. Output Power: 12,500W ,
Max. operating temp. at Full Power: 50°C.

PVI-12.5-TL-OUTD-W:

Vmax: 900V, MPPT: 130-850Vd.c., IDC max: 36A (1 MPPT),
ISC: 44A, IAC max: 20A, Max. Output Power: 12,500W ,
Max. operating temp. at Full Power: 50°C.

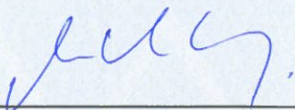
PVI-11.0-TL-OUTD, PVI-11.0-TL-OUTD-S, PVI-11.0-TL-OUTD-FS:

Vmax: 900V, MPPT: 175-850Vd.c., IDC max: 2 x 17A (2 MPPT),
ISC: 2 x 22A, IAC max: 16.6A, Max. Output Power: 11,000W ,
Max. operating temp. at Full power: 55°C (valid in a
limited range of input voltage and
channel configuration only).
Full Power (11000W) up to 45°C ambient with Vdc>350V.

Issue Date: 03/07/2015

Expiry Date: 03/07/2020

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CONTINUATION SHEET 3

Ratings (cont'):

PVI-11.0-TL-OUTD-W:

Vmax: 900V, MPPT: 100-850Vd.c., IDC max: 34A (1 MPPT),
ISC: 44A, IAC max: 16.6A, Max. Output Power: 11,000W ,
Max. operating temp. at Full Power: 55°C (valid in a
limited range of input voltage and
channel configuration only).
Full Power (11000W) up to 45°C ambient with Vdc>350V.

PVI-10.0-TL-OUTD, PVI-10.0-TL-OUTD-S, PVI-10.0-TL-OUTD-FS:

Vmax: 900V, MPPT: 200-850Vd.c., IDC max: 2 x 17A (2 MPPT),
ISC: 2 x 22A, IAC max: 16.6A, Max. Output Power: 10,000W ,
Max. operating temp. at Full Power: 55°C.

PVI-8.0-TL-OUTD, PVI-8.0-TL-OUTD-S, PVI-8.0-TL-OUTD-FS:

Vmax: 900V, MPPT: 200-850Vd.c., IDC max: 2 x 17A (2 MPPT),
ISC: 2 x 22A, IAC max: 13A, Max. Output Power: 8,000W ,
Max. operating temp. at Full Power: 60°C.

PVI-6.0-TL-OUTD, PVI-6.0-TL-OUTD-S, PVI-6.0-TL-OUTD-FS:

Vmax: 900V, MPPT: 200-850Vd.c., IDC max: 2 x 17A (2 MPPT),
ISC: 2 x 22A, IAC max: 10A, Max. Output Power: 6,000W ,
Max. operating temp. at Full Power: 60°C.

Issue Date: 03/07/2015

Expiry Date: 03/07/2020

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

A handwritten signature in blue ink, appearing to read 'Billy Chu'.

Billy Chu



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CONTINUATION SHEET 4

Remarks:

Models with suffix "-S" have got an integrated dc switch.
Models with suffix "-FS" have got an integrated dc switch
and fuse board.
Models with suffix "-W" identifies wind model.

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CONTINUATION SHEET 5

(Modification 1)

Add additional standard: AS/NZS 4777.2:2015 which is superseded the standards AS 4777.2:2005 and AS 4777.3:2005.

Updated the certificate to include reference to the following standards:

AS/NZS 4777.2:2015;

IEC 62109-1:2010 (Ed. 1.0); and

IEC 62109-2:2011 (Ed. 1.0).

Added the Ratings information for power factor range:
> 0.995 (Adjustable: 0.8 inductive to 0.8 capacitive).

Issue Date: 08/08/2016

Expiry Date: 03/07/2020

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

A handwritten signature in blue ink, appearing to read 'Billy Chu', written over a horizontal line.

Billy Chu



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