

Certificate Number: AZ 69024547

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV024547E

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 San Giorgio 642
52028 Terranuova Bracciolini AR
Italia

DESCRIPTION OF EQUIPMENT

Declared class:

Non-declared

Product:

Solar grid tied inverter

Trade Name / Manufacturer:

ABB

Model Number:

PVS-175-TLX-WIRINGBOX-IFA Opz.4 Opz.5 Opz.6 Opz.7
Where:
TLX may be TL1 or TL2
WIRINGBOX may be WB-S, WB-S2, WB-SX, WB-SX2
Opz. 4 may be Y or N , Opz. 5 may be Y or N
Opz. 6 may be S or M , Opz. 7 may be Y or N

Ratings:

Output: 800V ac, 3-phase 3W+PE, 50/60Hz, 135 A Maximum
(Further ratings refer CONTINUATION SHEET 1)

Standard:

AS/NZS 4777.2:2015
IEC 62109-1:2010
IEC 62109-2:2011

Issue Date:

18/09/2020

Expiry Date:

18/09/2025

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

Grant Li



Acc. No. Z2870404AA
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CONTINUATION SHEET 1

DESCRIPTION OF EQUIPMENT

Ratings:

Output: 800V ac, 3-phase 3W+PE, 50/60Hz, 135 A Maximum,
175 000 W @ 40°C (at $\cos\phi=1$)

185 000 W @ $\leq 30^\circ\text{C}$ Maximum AC output power (at $\cos\phi=1$)

Input: Operating dc input voltage: 600V-1500V dc,

Vmpp: 850-1350V dc, Idc max: 12x22A=264A/ 22A each,

Isc max: 30A each MPPT ,

Class I, IP54 (Cooling part) and IP65 (Inverter part)

Ambient temperature range -25...+60°C with derating
above 40°C

Issue Date: 18/09/2020

Expiry Date: 18/09/2025

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

A handwritten signature in blue ink, appearing to read "Grant Li".

Grant Li



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CONTINUATION SHEET 2

(Modification 1)

Add ratings as below in certificate:

Sr (Rated output power): 175,000VA;

Iac_nom (Rated output current): 126A.

Issue Date: 13/07/2021

Expiry Date: 18/09/2025

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

A large, faint, stylized blue triangle logo is centered in the background of the page.
A small registered trademark symbol (®) is located to the right of the large triangle logo.
TÜVRheinland

A handwritten signature in blue ink, appearing to read "Grant Li", is written over a horizontal line.

Grant Li



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