

Certificate Number: AZ 69022912**Page:** 0001

CERTIFICATE OF SUITABILITY

Authorised marking: TUV022912E

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:

Grid tied inverter with storage system

Trade Name / Manufacturer:

ABB / POWER – ONE ITALY S.p.A.

Model Number:

REACT2-5.0-TL-OUTD; REACT2-3.6-TL-OUTD.

Ratings:

AC Output and backup output port:
230 V a.c., single-phase, 50 Hz;
Operating DC input voltage range: 90-575 V d.c.;
DC battery port: 170-575 V d.c., Class I,
IP65 Inverter side; IP54 Battery side.
(Further Ratings refer to CONTINUATION SHEET 1 - 2)

Standard:

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

Issue Date:

30/08/2018

Expiry Date:

30/08/2023

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

Billy Chu



Acc. No. Z2870404AA
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Nominal power factor and adjustable range: > 0.995,
adj. $\pm 0.1-1$ (capacitive/inductive);
Maximum input short circuit current for each MPPT: 15 A;
Backup output port: Maximum apparent power (S_{max}): 3000 VA,
Maximum current: 13 A;
Maximum DC current in charge for battery port: 13.5 A.

REACT2-3.6-TL-OUTD composed of REACT2-UNO-3.6-TL and
up to three REACT2-BATT;

Maximum AC output power (P_{acmax} @ $\cos\phi=1$): 3600 W;

Maximum DC input current ($I_{dc max}$) / for each MPPT

($IMPPT_{max}$): 24 A / 12 A;

Rated DC input Power (P_{dcr}): 5000 W;

For Output AC port – Inverter: Maximum AC output current

($I_{ac max}$): 16 A;

For battery port: Maximum DC current in dis-charge: 10 A.

REACT2-5.0-TL-OUTD composed of REACT2-UNO-5.0-TL and
up to three REACT2-BATT;

Maximum AC output power (P_{acmax} @ $\cos\phi=1$): 5000 W;

Maximum DC input current ($I_{dc max}$) / for each MPPT

($IMPPT_{max}$): 27 A / 13.5 A;

Rated DC input Power (P_{dcr}): 6000 W;

For Output AC port – Inverter: Maximum AC output current

($I_{ac max}$): 22 A;

For battery port: Maximum DC current in dis-charge: 14 A.

Issue Date: 30/08/2018**Expiry Date:** 30/08/2023*Signed for and on behalf of TÜV Rheinland Australia Pty Ltd*

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CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

REACT2-BATT

Maximum DC voltage: 575 V;

Maximum DC operating voltage range: 170 – 575 V;

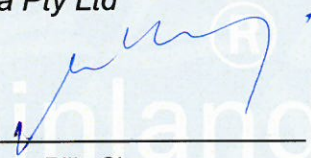
Maximum DC current: 4.5 A charge, 5.6 A discharge;

Energy stored in battery: 4.0 kWh.

Issue Date: 30/08/2018

Expiry Date: 30/08/2023

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CONTINUATION SHEET 3

(Modification 1)

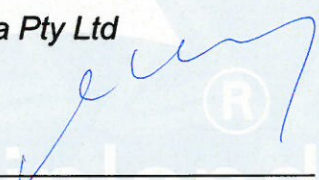
Updating the certificate to include reference of
the additional standard as below:

AS/NZS 60950.1:2015.

Issue Date: 29/03/2019

Expiry Date: 30/08/2023

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Billy Chu

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