

Certificate Number: AZ 69025706

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV025706E

This is to certify that TÜV Rheinland Australia Pty Ltd as accredited by JAS-ANZ in accordance with ISO/IEC 1705 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:

FIMER S.p.A.
VIA TORTONA 25
20144 MILAN MI
Italia

DESCRIPTION OF EQUIPMENT

Declared class:

Non-declared

Product:

Solar Grid Tied Inverter

Trade Name / Manufacturer:

FIMER

Model Number:

UNO-DM-5.0-TL-PLUS-B-QU , UNO-DM-4.6-TL-PLUS-B-Q ,
UNO-DM-4.0-TL-PLUS-B-Q , UNO-DM-3.3-TL-PLUS-B-Q ,
UNO-DM-3.0-TL-PLUS-B-Q , UNO-DM-2.0-TL-PLUS-B-Q ,
UNO-DM-1.2-TL-PLUS-B-Q

Ratings:

Ratings refer to CONTINUATION SHEET 1-3 for details

Standard:

AS/NZS 4777.2:2020+A1
IEC 62109-1:2010
IEC 62109-2:2011

Issue Date:

04/02/2022

Expiry Date:

04/02/2027

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

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Grant Li



Acc. No. Z2870404AA
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CONTINUATION SHEET 1

DESCRIPTION OF EQUIPMENT

Ratings:

For all models:

Overvoltage Category (OVC): PV input: II; Grid Output: III

Protection: Class I, IP65, PD 3

Output:

Nominal grid voltage: 1 phase 230V

Nominal frequency: 50/60 Hz

Power factor cos phi: > 0.995; 0.1 – 1 Over/Under excited

For models: UNO-DM-5.0-TL-PLUS-B-QU; UNO-DM-4.6-TL-PLUS-B-Q,

Input:

VDC max: 600 Vd.c.

VDC MPPT: 170 – 480Vd.c; 150 - 530Vd.c.

Isc PV: 44.0/22.0A; 40.0/20.0A

IDC max: 30.5/19.0A; 32.0/16.0A

Output:

Rated Output Power: 5000W; 4600W

Rated Apparent Power: 5000VA; 4600VA

Max Apparent Power: 5000VA; 4600VA

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CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

Ratings:

Output:

Rated Output Current: 22A; 20A

Max Output Current: 22A; 20A

Operating Temperature:

-25°C to 60°C, with derating above 45°C for 5 kW model

-25°C to 60°C, with derating above 40°C for 4.6 kW model

For Models: UNO-DM-4.0-TL-PLUS-B-Q; UNO-DM-3.3-TL-PLUS-B-Q,

Input:

VDC max: 600 Vd.c.

VDC MPPT: 130 - 530Vd.c; 170 - 530Vd.c.

Isc PV: 40.0/20.0A; 40.0/20.0A

IDC max: 32.0/16.0A; 20.0/10.0A

Output:

Rated Output Power: 4000W; 3300W

Rated Apparent Power: 4000VA; 3300VA

Max Apparent Power: 4000VA; 3300VA

Rated Output Current: 17.2A; 14.5A

Max Output Current: 17.2A; 14.5A

Operating Temperature:

-25°C to 60°C, with derating above 50°C

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CONTINUATION SHEET 3

DESCRIPTION OF EQUIPMENT

Ratings:

For models: UNO-DM-3.0-TL-PLUS-B-Q; UNO-DM-2.0-TL-PLUS-B-Q;
UNO-DM-1.2-TL-PLUS-B-Q

Input:

VDC max: 600 Vd.c.

VDC MPPT: 320 - 530Vd.c.; 210 - 530Vd.c.; 100 - 530 Vd.c.

Isc PV: 12.5A

IDC max: 10.0A

Output:

Rated Output Power: 3000W; 2000W; 1200W

Rated Apparent Power: 3000VA; 2000VA; 1200VA

Max Apparent Power: 3000VA; 2000VA; 1200VA

Rated Output Current: 14.5A; 10A; 5.5A

Max output current: 14.5A; 10A; 5.5A

Operating Temperature:

-25°C to 60°C, with derating above 50°C

Issue Date: 04/02/2022

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CONTINUATION SHEET 4

(Modification 1)

1. Add models with dc switch fitted, all electrical ratings for models with DC switch fitted is identical to previous certified models of same family that are not fitted with DC switch:

UNO-DM-5.0-TL-PLUS-SB-QU ; UNO-DM-4.6-TL-PLUS-SB-Q ;
UNO-DM-4.0-TL-PLUS-SB-Q ; UNO-DM-3.3-TL-PLUS-SB-Q ;
UNO-DM-3.0-TL-PLUS-SB-Q ; UNO-DM-2.0-TL-PLUS-SB-Q ;
UNO-DM-1.2-TL-PLUS-SB-Q .

2. Update the rated AC output current

UNO-DM-5.0-TL-PLUS-B-QU and UNO-DM-5.0-TL-PLUS-SB-QU: 21.7A;
UNO-DM-4.6-TL-PLUS-B-Q and UNO-DM-4.6-TL-PLUS-SB-Q: 20.0A;
UNO-DM-4.0-TL-PLUS-B-Q and UNO-DM-4.0-TL-PLUS-SB-Q: 17.2A;
UNO-DM-3.3-TL-PLUS-B-Q and UNO-DM-3.3-TL-PLUS-SB-Q: 14.3A;
UNO-DM-3.0-TL-PLUS-B-Q and UNO-DM-3.0-TL-PLUS-SB-Q: 13.0A;
UNO-DM-2.0-TL-PLUS-B-Q and UNO-DM-2.0-TL-PLUS-SB-Q: 8.7A;
UNO-DM-1.2-TL-PLUS-B-Q and UNO-DM-1.2-TL-PLUS-SB-Q: 5.2A

Issue Date: 10/06/2022

Expiry Date: 04/02/2027

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