

Certificate Number: AZ 69025489

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV025489E

This is to certify that TÜV Rheinland Australia Pty Ltd as accredited by JAS-ANZ in accordance with ISO/IEC 17065 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:

Fronius Australia Pty. Ltd.
90-92 Lambeck Drive
Tullamarine VIC 3043
Australia

DESCRIPTION OF EQUIPMENT

Declared class:

Non-declared

Product:

Solar Grid Tied Inverter

Trade Name / Manufacturer:

FRONIUS

Model Number:

Fronius Symo 3.0-3-M; Fronius Symo 3.7-3-M;
Fronius Symo 4.5-3-M; Fronius Symo 5.0-3-M;
Fronius Symo 5.5-3-M; Fronius Symo 6.0-3-M;
Fronius Symo 6.7-3-M; Fronius Symo 7.0-3-M;
Fronius Symo 8.0-3-M; Fronius Symo 8.2-3-M

Ratings:

Ratings refer to CONTINUATION SHEET 1-4 for details
Remarks: Alternative Authorised marking 'TUV021501E'
is applicable to above mentioned models

Standard:

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

Issue Date:

17/11/2021

Expiry Date:

17/11/2026

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

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Grant Li



Acc. No. Z2870404AA
www.jas-anz.org/register

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CONTINUATION SHEET 1

DESCRIPTION OF EQUIPMENT

Ratings:

For all models:

Operating Temp.: -25°C to 60°C,

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

Protection: Class I, IP65, PD 2 (inside); PD 3 (outside)

For models Fronius Symo 3.0-3-M ; Fronius Symo 3.7-3-M ;

Fronius Symo 4.5-3-M

Input:

VDC max: 1000Vd.c.,

VDC MPPT: 150-800Vd.c.,

Isc PV: 2 x 24.0A

IDC max: 2 x 16.0A

Output:

Nominal grid voltage: 3~NPE 220/230V / 380/400V

Nominal frequency: 50/60Hz

Power factor cos phi: 0.85 – 1 ind/cap

Rated Output Power: 3000W; 3700W; 4500W

Max / Rated apparent power: 3000VA; 3700VA; 4500VA

Rated current at 220/230V: 4.6A/4.4A; 5.6A/5.4A; 6.8A/6.5A

Max output current: 13.5A

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CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

Ratings:

For models Fronius Symo 5.0-3-M ; Fronius Symo 5.5-3-M ;
Fronius Symo 6.0-3-M

Input:

VDC max: 1000Vd.c.,
VDC MPPT: 163-800; 179-800; 195-800Vd.c.,
Isc PV: 2 x 24.0A
IDC max: 2 x 16.0A

Output:

Nominal grid voltage: 3~NPE 220/230V / 380/400V
Nominal frequency: 50/60Hz
Power factor cos phi: 0.85 – 1 ind/cap
Rated Output Power: 5000W; 5500W; 6000W
Max / Rated apparent power: 5000VA; 5500VA; 6000VA
Rated current at 220/230V: 7.6A/7.3A; 8.3A/8.0A; 9.1A/8.7A
Max output current: 13.5A

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CONTINUATION SHEET 3

DESCRIPTION OF EQUIPMENT

Ratings:

For models Fronius Symo 6.7-3-M ; Fronius Symo 7.0-3-M ;
Fronius Symo 8.0-3-M ;

Input:

VDC max: 1000Vd.c.,
VDC MPPT: 218-800; 228-800; 260-800Vd.c.,
Isc PV: 2 x 24.0A
IDC max: 2 x 16.0A

Output:

Nominal grid voltage: 3~NPE 220/230V / 380/400V
Nominal frequency: 50/60Hz
Power factor cos phi: 0.85 – 1 ind/cap
Rated Output Power: 6700W; 7000W; 8000W
Max / Rated apparent power: 6700VA; 7000VA; 8000VA
Rated current at 220/230V:
10.2A/9.7A; 10.6A/10.2A; 12.1A/11.6A;
Max output current: 13.5A

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CONTINUATION SHEET 4

DESCRIPTION OF EQUIPMENT

Ratings:

For models Fronius Symo 8.2-3-M ;

Input:

VDC max: 1000Vd.c.,

VDC MPPT: 267-800Vd.c.,

Isc PV: 2 x 24.0A

IDC max: 2 x 16.0A

Output:

Nominal grid voltage: 3~NPE 220/230V / 380/400V

Nominal frequency: 50/60Hz

Power factor cos phi: 0.85 – 1 ind/cap

Rated Output Power: 8200W

Max / Rated apparent power: 8200VA

Rated current at 220/230V: 12.4A/11.9A

Max output current: 13.5A

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CONTINUATION SHEET 5

(Modification 1)

Increase Isc pv from 24A/24A to 31A/31A for below models:

Fronius Symo 3.0-3-M
Fronius Symo 3.7-3-M
Fronius Symo 4.5-3-M
Fronius Symo 5.0-3-M
Fronius Symo 5.5-3-M
Fronius Symo 6.0-3-M
Fronius Symo 6.7-3-M
Fronius Symo 7.0-3-M
Fronius Symo 8.0-3-M
Fronius Symo 8.2-3-M

Issue Date: 25/07/2023

Expiry Date: 17/11/2026

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

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