

Certificate Number: AZ 69028071

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV-028071-E

TÜV Rheinland Australia Pty Ltd "Electrical Product Safety Certification (EPSC) Scheme", accredited by JAS-ANZ in accordance with ISO/IEC 17065, has issued this certificate under JAS-ANZ accreditation. The electrical equipment described hereunder has been evaluated and found to be electrically safe at the time of certification and met the minimum safety requirements contained in Australian Standard AS/NZS 3820 as of current. It is a requirement that all equipment supplied under this certificate shall be identical to the equipment as certified. The certificate holder may affix the above mentioned authorised marking on the product.

CERTIFICATE HOLDER:

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

DESCRIPTION OF EQUIPMENT

Declared class:

Non-declared

Product:

Solar Hybrid Grid Tied Inverter

Trade Name / Manufacturer:

FRONIUS

Model Number:

Symo GEN24 6.0 SC , Symo GEN24 6.0 Plus SC
Symo GEN24 8.0 SC , Symo GEN24 8.0 Plus SC
Symo GEN24 10.0 SC , Symo GEN24 10.0 Plus SC
Symo GEN24 12.0 SC , Symo GEN24 12.0 Plus SC

Ratings:

Ratings refer to Continuation Sheet 1 to 5 for details

Standard:

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

Issue Date:

23/10/2024

Expiry Date:

23/10/2029

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

A handwritten signature in black ink, appearing to read 'Rafeeqe Mohamed'.

Rafeeqe Mohamed



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CONTINUATION SHEET 1

Description of Equipment

Ratings for all models:

Protection: Class I, IP66, PD 2(Inside), PD 3 (Outside)
Operating Temp.: -25°C to 60°C.
Overvoltage Category (OVC): DC input: II; AC Output: III
Power factor: 0.7-1 ind/cap (adjustable)
Inverter topology: Non-isolated

Battery input:

Battery type: LiFePO4

Voltage range: 160 - 700Vdc

Max charging / discharging current: 22.0A

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CONTINUATION SHEET 2

Ratings for models:

Symo GEN24 6.0 SC, Symo GEN24 6.0 Plus SC

AC output:

Output voltage: 3L/N/PE, 220/380Vac, 230/400Vac

Output frequency: 50/60Hz

Max / Rated Output Power: 6000W

Max / Rated Output Apparent Power: 6000VA

Max Output current: 18.5A

Rated Output current: 9.1A@220/380V; 8.7A@230/400V

PV Input:

VDC max: 1000Vdc

VDC MPPT: 148 -800Vdc

IDC max PV1/PV2: 28.0A/14.0A

Isc PV1/PV2: 40.0A/20.0A

TÜV Rheinland

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CONTINUATION SHEET 3

Ratings for models:

Symo GEN24 8.0 SC, Symo GEN24 8.0 Plus SC

AC output:

Output voltage: 3L/N/PE, 220/380Vac, 230/400Vac

Output frequency: 50/60Hz

Max / Rated Output Power: 8000W

Max / Rated Output Apparent Power: 8000VA

Max Output current: 18.5A

Rated Output current: 12.1A@220/380V; 11.6A@230/400V

PV Input:

VDC max: 1000Vdc

VDC MPPT: 197-800Vdc

IDC max PV1/PV2: 28.0A/14.0A

Isc PV1/PV2: 40.0A/20.0A

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Expiry Date: 23/10/2029

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CONTINUATION SHEET 4

Ratings for models:

Symo GEN24 10.0 SC, Symo GEN24 10.0 Plus SC

AC output:

Output voltage: 3L/N/PE, 220/380Vac, 230/400Vac

Output frequency: 50/60Hz

Max / Rated Output Power: 10000W

Max / Rated Output Apparent Power: 10000VA

Max Output current: 18.5A

Rated Output current: 15.2A@220/380V; 14.5A@230/400V

PV Input:

VDC max: 1000Vdc

VDC MPPT: 246-800Vdc

IDC max PV1/PV2: 28.0A/14.0A

Isc PV1/PV2: 40.0A/20.0A

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CONTINUATION SHEET 5

Ratings for models:

Symo GEN24 12.0 SC, Symo GEN24 12.0 Plus SC

AC output:

Output voltage: 3L/N/PE, 220/380Vac, 230/400Vac

Output frequency: 50/60Hz

Max / Rated Output Power: 12000W

Max / Rated Output Apparent Power: 12000VA

Max Output current: 18.5A

Rated Output current: 18.2A@220/380V; 17.4A@230/400V

PV Input:

VDC max: 1000Vdc

VDC MPPT: 295-800Vdc

IDC max PV1/PV2: 28.0A/14.0A

Isc PV1/PV2: 40.0A/20.0A

Issue Date: 23/10/2024

Expiry Date: 23/10/2029

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Rafeeqe Mohamed



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CONTINUATION SHEET 6

(Modification 1)

1. Updating of CDF document IT244LHS 001 due to the changing of the name.

2. Updating Ratings for models: Symo GEN24 10.0 SC,
Symo GEN24 10.0 Plus SC

Max / Rated Output Power: 9999W

Max / Rated Output Apparent Power: 9999VA

Issue Date: 28/03/2025

Expiry Date: 23/10/2029

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

TÜV Rheinland

A handwritten signature in blue ink, appearing to read 'John Wang'.

John Wang



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