

Certificate Number: AZ 69028298

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV-028298-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 Grid Tied Inverter

Trade Name / Manufacturer:

FRONIUS

Model Number:

Verto 25.0
Verto 27.0
Verto 30.0
Verto 33.3

Ratings:

Ratings refer to Continuation Sheets 1 to 5 for details

Standard:

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

Issue Date:

25/10/2024

Expiry Date:

25/10/2029

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.: -40°C to 60°C

Overvoltage Category (OVC): DC input: II; AC Output: III

Power factor: 0.1 ind/cap

Inverter topology: Non-isolated

Firmware version: 1.32.6-2

DC Input (OVC 2):

VDC max: 1000Vdc

VDC MPPT: 150 - 870Vdc

IDC max PV1/PV2/PV3/PV4: 28A

Isc PV1/PV2/PV3/PV4: 50A

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CONTINUATION SHEET 2

Description of Equipment

Ratings for models:

Verto 25.0

AC output (Grid):

Output voltage: 3~(N)PE (OVC 3), 220/380Vac

3~(N)PE (OVC 3), 230/400Vac

Output frequency: 50/60Hz

Max / Rated Output Power: 25kW

Max / Rated Output Apparent Power: 25000VA

Max Output current: 53.7A

Rated Output current: 37.9A@380Vac; 36.2A@400Vac

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CONTINUATION SHEET 3

Description of Equipment

Ratings for models:

Verto 27.0

AC output (Grid):

Output voltage: 3~(N)PE (OVC 3), 220/380Vac

3~(N)PE (OVC 3), 230/400Vac

Output frequency: 50/60Hz

Max / Rated Output Power: 27kW

Max / Rated Output Apparent Power: 27000VA

Max Output current: 53.7A

Rated Output current: 40.9A@380Vac; 39.1A@400Vac

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CONTINUATION SHEET 4

Description of Equipment

Ratings for models:

Verto 30.0

AC output (Grid):

Output voltage: 3~(N)PE (OVC 3), 220/380Vac

3~(N)PE (OVC 3), 230/400Vac

Output frequency: 50/60Hz

Max / Rated Output Power: 29.99kW

Max / Rated Output Apparent Power: 29990VA

Max Output current: 53.7A

Rated Output current: 45.5A@380Vac; 43.5A@400Vac

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CONTINUATION SHEET 5

Description of Equipment

Ratings for models:

Verto 33.3

AC output (Grid):

Output voltage: 3~(N)PE (OVC 3), 220/380Vac

3~(N)PE (OVC 3), 230/400Vac

Output frequency: 50/60Hz

Max / Rated Output Power: 33.3kW

Max / Rated Output Apparent Power: 33300VA

Max Output current: 53.7A

Rated Output current: 50.5A@380Vac; 48.3A@400Vac

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