

**Certificate Number:** AZ 69025502

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## CERTIFICATE OF SUITABILITY

Authorised marking: TUV025502E

*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:**

Primo GEN24 6.0 Plus ; Primo GEN24 6.0 ;  
Primo GEN24 6.0 Lite ; Primo GEN24 5.0 Plus ;  
Primo GEN24 5.0 ; Primo GEN24 5.0 Lite ;  
Model Number refer to CONTINUATION 1 for details

**Ratings:**

Ratings refer to CONTINUATION SHEET 1-3 for details  
Remarks: Alternative Authorised Marking "TUV023866E"  
is applicable to above mentioned model.

**Standard:**

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

**Issue Date:**

05/10/2021

**Expiry Date:**

05/10/2026

*Signed for and on behalf of TÜV Rheinland Australia Pty Ltd*

A handwritten signature in blue ink, appearing to read "Grant Li".

Grant Li



Acc. No. Z2870404AA  
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## CERTIFICATE OF SUITABILITY

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### CONTINUATION SHEET 1

#### DESCRIPTION OF EQUIPMENT

Model Numbers: Primo GEN24 4.6 Plus ; Primo GEN24 4.6 ;  
Primo GEN24 4.6 Lite ; Primo GEN24 4.0 Plus ;  
Primo GEN24 4.0 ; Primo GEN24 4.0 Lite ;  
Primo GEN24 3.6 Plus ; Primo GEN24 3.6 ;  
Primo GEN24 3.6 Lite ; Primo GEN24 3.0 Plus ;  
Primo GEN24 3.0 ; Primo GEN24 3.0 Lite

Models having: Backup Terminal (PV Point), 3rd party comm.

Interfaces (Modbus TCP, JSON, Digital IO's),

DC-Powerline Communication, Battery activation (hybrid inverter), and Full backup (Hybrid inverter only):

Primo GEN24 6.0 Plus , Primo GEN24 5.0 Plus ,

Primo GEN24 4.6 Plus , Primo GEN24 4.0 Plus ,

Primo GEN24 3.6 Plus , Primo GEN24 3.0 Plus .

Models having: Backup Terminal (PV Point), 3rd party comm.

Interfaces (Modbus TCP, JSON, Digital IO's) and

DC-Powerline Communication

Primo GEN24 6.0 , Primo GEN24 5.0 , Primo GEN24 4.6 ,

Primo GEN24 4.0 , Primo GEN24 3.6 , Primo GEN24 3.0 .

MModels marked "Lite" do not have any of the above function.

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## CERTIFICATE OF SUITABILITY

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### CONTINUATION SHEET 2

#### DESCRIPTION OF EQUIPMENT

Rating for all models

Output voltage 220/230/240 V a.c., single-phase, 50/60 Hz,

$\cos \varphi \geq \pm 0.8$  ind./cap. Class I, IP66, -40°C to +60°C,

Over voltage category: DC/ AC: II / III

Number of MPP trackers: 2

Battery: Voltage: 150 - 455 Vd.c., Max current: 22 A,

PV input voltage range: 65-600Vdc, Input current: 22/12A

Opportunity power output:

230Vac, 53/63Hz, 13.0A, 3000VA,  $\cos \varphi = 0-1$  ind./cap.

Ratings for models: Primo GEN24 6.0 Plus, Primo GEN24 6.0,

Primo GEN24 6.0 Lite,

Rated apparent power: 6000 VA, Max AC output Current: 27.5A

Rated AC output current: 27.3A@220V; 26.1A@230V; 25.0A@240V

PV input MPP Voltage: 230-480 Vd.c.

Max. AC charging power for battery: 6000 W

Ratings for models; Primo GEN24 5.0 Plus, Primo GEN24 5.0,

Primo GEN24 5.0 Lite,

Rated Apparent power 5000 VA, Max output Current: 27.5 A,

Rated AC output current: 22.7A@220V; 21.7A@230V; 20.8A@240V

PV input MPP Voltage: 230-530 Vd.c.

Max. AC charging power for battery: 5000 W

Issue Date: 05/10/2021

Expiry Date: 05/10/2026

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### CONTINUATION SHEET 3

#### DESCRIPTION OF EQUIPMENT

Ratings for models: Primo GEN24 4.6 Plus ,  
Primo GEN24 4.6 , Primo GEN24 4.6 Lite ,  
Rated Apparent Power: 4600 VA, Max output Current: 27.5 A,  
Rated AC output current: 20.9A@220V; 20.0A@230V; 19.2A@240V  
PV input MPP Voltage: 230-530 Vd.c.  
Max. AC charging power for battery: 4600 W

Ratings for models: Primo GEN24 4.0 Plus ,  
Primo GEN24 4.0 , Primo GEN24 4.0 Lite ,  
Rated Apparent Power: 4000 VA, Max output Current: 25.8A,  
Rated AC output current: 18.2A@220V; 17.4A@230V; 16.7A@240V  
PV input MPP Voltage: 210-530 Vd.c.  
Max. AC charging power for battery: 4000 W

Ratings for models: Primo GEN24 3.6 Plus ,  
Primo GEN24 3.6 , Primo GEN24 3.6 Lite  
Rated Apparent Power: 3680 VA, Max output Current: 23.7 A,  
Rated AC output current: 16.7A@220V; 16.0A@230V; 15.3A@240V  
PV input MPP Voltage: 200-530 Vd.c.,  
Max. AC charging power for battery: 3680 W

Issue Date: 05/10/2021

Expiry Date: 05/10/2026

*Signed for and on behalf of TÜV Rheinland Australia Pty Ltd*

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CONTINUATION SHEET 4

DESCRIPTION OF EQUIPMENT

Ratings for models: Primo GEN24 3.0 Plus ,  
Primo GEN24 3.0 , Primo GEN24 3.0 Lite  
Rated Apparent Power: 3,000 VA, Max output Current: 19.4 A,  
Rated AC output current: 13.6A@220V; 13.0A@230V; 12.5A@240V  
PV input MPP Voltage: 190-530 Vd.c.,  
Max. AC charging power for battery: 3000 W

Issue Date: 05/10/2021

Expiry Date: 05/10/2026

*Signed for and on behalf of TÜV Rheinland Australia Pty Ltd*

**TÜVRheinland**

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## CERTIFICATE OF SUITABILITY

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CONTINUATION SHEET 5

(Modification 1)

Update standard to AS/NZS 4777.2:2020+A1:2021  
from AS/NZS 4777.2:2020

Issue Date: 02/12/2021

Expiry Date: 05/10/2026

*Signed for and on behalf of TÜV Rheinland Australia Pty Ltd*



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CONTINUATION SHEET 6

(Modification 2)

Increase Isc pv from 33A/18A to 36A/19A for below models:

Primo GEN24 3.0  
Primo GEN24 3.6  
Primo GEN24 4.0  
Primo GEN24 4.6  
Primo GEN24 5.0  
Primo GEN24 6.0

Issue Date: 25/07/2023

Expiry Date: 05/10/2026

*Signed for and on behalf of TÜV Rheinland Australia Pty Ltd*

TÜV Rheinland

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Grant Li



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CONTINUATION SHEET 7

(Modification 3)

Update PWB from 1PN6K to 1PN6K-E1B: new layout with  
Infineon modules and EMC adaptations.

Issue Date: 29/08/2023

Expiry Date: 05/10/2026

*Signed for and on behalf of TÜV Rheinland Australia Pty Ltd*

  
TÜVRheinland®

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CONTINUATION SHEET 8

(Modification 4)

Update Isc pv from 33A/18A to 36A/19A for models as below:

Primo GEN24 3.0 / 3.0 Plus / 3.0 Lite  
Primo GEN24 3.6 / 3.6 Plus / 3.6 Lite  
Primo GEN24 4.0 / 4.0 Plus / 4.0 Lite  
Primo GEN24 4.6 / 4.6 Plus / 4.6 Lite  
Primo GEN24 5.0 / 5.0 Plus / 5.0 Lite  
Primo GEN24 6.0 / 6.0 Plus / 6.0 Lite

Issue Date: 11/12/2024

Expiry Date: 05/10/2026

*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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### CONTINUATION SHEET 9

(Modification 5)

Increase Isc pv from 36A/19A to 41.25A/22A for models as below:

Primo GEN24 3.0 / 3.0 Plus / 3.0 Lite  
Primo GEN24 3.6 / 3.6 Plus / 3.6 Lite  
Primo GEN24 4.0 / 4.0 Plus / 4.0 Lite  
Primo GEN24 4.6 / 4.6 Plus / 4.6 Lite  
Primo GEN24 5.0 / 5.0 Plus / 5.0 Lite  
Primo GEN24 6.0 / 6.0 Plus / 6.0 Lite

Issue Date: 03/01/2025

Expiry Date: 05/10/2026

*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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