

# 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



Grant Li



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

# CERTIFICATE OF SUITABILITY

Authorised marking: TUV025502E

## 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 .

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

Issue Date: 05/10/2021

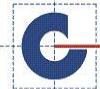
Expiry Date: 05/10/2026

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Grant Li

JAS-ANZ



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

## CERTIFICATE OF SUITABILITY

Authorised marking: TUV025502E

### CONTINUATION SHEET 2

#### DESCRIPTION OF EQUIPMENT

##### Rating for all models

Output voltage 220/230/240 V a.c., single-phase, 50/60 Hz,  
 $\cos \phi \geq \pm 0.8$  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,  $\cos \phi = 0-1$  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

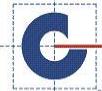
Issue Date: 05/10/2021

Expiry Date: 05/10/2026

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

  
Grant Li

JAS-ANZ



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

## CERTIFICATE OF SUITABILITY

Authorised marking: TUV025502E

### 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 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



Grant Li

JAS-ANZ



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

## CERTIFICATE OF SUITABILITY

Authorised marking: TUV025502E

### 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



**TÜV Rheinland**



Grant Li

JAS-ANZ



Acc. No. Z2870404AA  
[www.jas-anz.org/register](http://www.jas-anz.org/register)

## CERTIFICATE OF SUITABILITY

Authorised marking: TUV025502E

### 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*

®  
**TÜV Rheinland**



Grant Li



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

## CERTIFICATE OF SUITABILITY

Authorised marking: TUV025502E

### 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

®



Grant Li

JAS-ANZ



[www.jas-anz.org/register](http://www.jas-anz.org/register)

## CERTIFICATE OF SUITABILITY

Authorised marking: TUV025502E

### CONTINUATION SHEET 7

(Modification 3)

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

Issue Date: 29/08/2023

Expiry Date: 05/10/2026

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

®  
**TÜV Rheinland**



Grant Li



[www.jas-anz.org/register](http://www.jas-anz.org/register)