

**Certificate Number:** AZ 69027739

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## CERTIFICATE OF SUITABILITY

**Authorised marking:** TUV-027739-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:

Shanghai SIGEN New Energy Technology Co., Ltd.  
No. 175 Weizhan Road,  
Lingang New Area, China  
(Shanghai) Pilot Free Trade Zone  
201304 Shanghai  
P.R. China

### DESCRIPTION OF EQUIPMENT

|                                   |                                                                                    |
|-----------------------------------|------------------------------------------------------------------------------------|
| <b>Declared class:</b>            | Non-declared                                                                       |
| <b>Product:</b>                   | PV inverter                                                                        |
| <b>Trade Name / Manufacturer:</b> | Sigenergy                                                                          |
| <b>Model Number:</b>              | Sigen Hybrid series, Sigen PV Max series,<br>Details refer to CONTINUATION SHEET 1 |
| <b>Ratings:</b>                   | Details refer to CONTINUATION SHEETS 1-3                                           |
| <b>Standard:</b>                  | IEC 62109-2:2011<br>IEC 62109-1:2010<br>AS/NZS 4777.2:2020+A1                      |
| <b>Issue Date:</b>                | 22/01/2024                                                                         |
| <b>Expiry Date:</b>               | 22/01/2029                                                                         |

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

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Grant Li



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### CONTINUATION SHEET 1

**Model numbers:**

Sigen Hybrid 3.0 SP , Sigen Hybrid 3.6 SP ,  
Sigen Hybrid 4.0 SP , Sigen Hybrid 4.6 SP ,  
Sigen Hybrid 5.0 SP , Sigen Hybrid 6.0 SP ;  
Sigen PV Max 3.0 SP , Sigen PV Max 3.6 SP ,  
Sigen PV Max 4.0 SP , Sigen PV Max 4.6 SP ,  
Sigen PV Max 5.0 SP , Sigen PV Max 6.0 SP

**Ratings**

For all models:

IP66, Class I, Non-isolated type, -30°C to 60°C,  
Overvoltage category: DC: OVC II, AC: OVC III  
DRM 0

For model Sigen Hybrid 3.0 SP, Sigen Hybrid 3.6 SP,  
Sigen Hybrid 4.0 SP, Sigen Hybrid 4.6 SP,  
Sigen Hybrid 5.0 SP, Sigen Hybrid 6.0 SP;

**PV input:**

MPPT range: 50 -550Vdc

Max. PV input voltage: 600Vdc

Max input current: 16A/16A

Isc: 20A/20A

Issue Date: 22/01/2024

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### CONTINUATION SHEET 2

Battery input:

Voltage range: 300-600Vdc

Maximum Charging/discharging current: 12A/12A

AC output

Rated voltage: 220/230/240Vac 50/60Hz

Rated output power: 3000W, 3680W, 4000W, 4600W, 4999W, 6000W

Rated output apparent power (230V): 3000VA, 3680VA, 4000VA,  
4600VA, 4999VA, 6000VA

Maximum output apparent power: 3300VA, 3680VA, 4400VA,  
4999VA, 4999VA, 6600VA

Rated output current (230V): 13.6A, 16A, 18.2A, 20.9A, 21.7A

Maximum output current: 15A, 16A, 20A, 21.7A, 21.7A, 30A

Power factor: 0.8 leading – 0.8 lagging

**TÜVRheinland**

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## CERTIFICATE OF SUITABILITY

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### CONTINUATION SHEET 3

#### Ratings

For model Sigen PV Max 3.0 SP, Sigen PV Max 3.6 SP,  
Sigen PV Max 4.0 SP, Sigen PV Max 4.6 SP,  
Sigen PV Max 5.0 SP, Sigen PV Max 6.0 SP

#### PV input:

MPPT range: 50 -550Vdc

Max. PV input voltage: 600Vdc

Max input current: 16A/16A

Isc: 20A/20A

#### AC output

Rated voltage: 220/230/240Vac 50/60Hz

Rated output power: 3000W, 3680W, 4000W, 4600W, 4999W, 6000W

Rated output apparent power (230V): 3000VA, 3680VA, 4000VA,  
4600VA, 4999VA, 6000VA

Maximum output apparent power: 3300VA, 3680VA, 4400VA,  
4999VA, 4999VA, 6600VA

Rated output current (230V): 13.6A, 16A, 18.2A, 20.9A, 21.7A  
27.3A

Maximum output current: 15A, 16A, 20A, 21.7A, 21.7A, 30A

Power factor: 0.8 leading – 0.8 lagging

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Expiry Date: 22/01/2029

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