

4 September 2024

Shanghai SIGEN New Energy Technology Co., Ltd.
No. 175 Weizhan Road, Lingang New Area,
Shanghai, 201306
CHINA

Attention: Vicky Huang, Intertek Testing Services Shenzhen Ltd.

CERTIFICATION OF ELECTRICAL EQUIPMENT

It is our pleasure to issue you with the enclosed Certificate of Suitability EESS-240671-0.

Please check and ensure the details are correct in accordance with your application.

It was identified that the applied equipment was categorised as in-scope level 1 equipment, as defined in AS/NZS 4417.2. The ERAC Equipment Safety Rules do not require these certification details to be included to the EESS National Database for this category of equipment. This does not negate any requirements for responsible supplier or EESS equipment declarations/registrations on the eess.gov.au website. Due to this, certificate details can be found on the JAS-ANZ online [certificate register](#) and EESS Conformity Certification will not upload the certificate details to the National Database.

We remind you that the Regulatory Compliance Mark (RCM) must be used in accordance with its conditions of use as set out in the latest edition of [AS/NZS 4417.1](#).

The assessment was reviewed with the standards and conditions required by Clean Energy Council at the time of issue with test reports referenced, <https://www.cleanenergycouncil.org.au/industry/products>

This certification is based on type testing, modification to the certified product in any way must be notified to EESS Conformity Certification for endorsement. Details of the modification must be advised by completing and submitting the application via our Online Application System (OAS) with your login credentials.

Any change to the name or address of the certificate holder must be notified to EESS Conformity Certification within one calendar month. Changes may be advised by completing and submitting the application via our Online Application System (OAS) with your login credentials.

An application for the transfer of Certificate from the existing Certificate Holder to another/new Certificate Holder may be made to EESS Conformity Certification by completing and submitting the application via our Online Application System (OAS) with your login credentials.

Finally, please use the QR code below to take our two-minute survey and comment on our service.

Should you have any further queries, please contact us.

Yours sincerely,



Lloyd Knipe

Managing Director

Conformity Certification Services Pty Ltd
trading as EESS Conformity Certification



We'd love to know what you thought of our service. Please scan to fill in a brief survey or visit www.eessconformity.com



Certificate No.: EESS-240671-0

CERTIFICATE OF SUITABILITY

Certificate Holder: Shanghai SIGEN New Energy Technology Co., Ltd.
No. 175 Weizhan Road, Lingang New Area,
Shanghai, 201306
CHINA

Regulatory Definition: Non-Declared

Product Type: Sigen Hybrid Inverter

Trade Name(s): Sigenergy

Model No(s): SigenStor EC 5.0 TP AU, SigenStor EC 6.0 TP AU, SigenStor EC 8.0 TP AU, SigenStor EC 10.0 TP AU, SigenStor EC 12.0 TP AU, SigenStor EC 15.0 TP AU, SigenStor EC 17.0 TP AU, SigenStor EC 20.0 TP AU, SigenStor EC 25.0 TP AU, SigenStor EC 30.0 TP AU, Sigen Hybrid 5.0 TP AU, Sigen Hybrid 6.0 TP AU, Sigen Hybrid 8.0 TP AU, Sigen Hybrid 10.0 TP AU, Sigen Hybrid 12.0 TP AU, Sigen Hybrid 15.0 TP AU, Sigen Hybrid 17.0 TP AU, Sigen Hybrid 20.0 TP AU, Sigen Hybrid 25.0 TP AU, Sigen Hybrid 30.0 TP AU

Ratings: Refer to Certificate Addendum for specific rating details.

Standard(s): IEC 62109-1:2010 – (reference Test Report 230609060GZU-001)
IEC 62109-2:2011 – (reference Test Report 230609060GZU-002)
AS/NZS 4777.2:2020 +A1 (reference Test Report 240619030GZU-001)
AS 60947.3:2018 ((reference Test Report 24119Y30018)

Condition(s): To be installed by Licensed Electrician in accordance with the local Wiring, CEC rules and the Manufacturer's Installation Manual.

Required Marking: The Regulatory Compliance Mark (RCM) in accordance with its conditions of use as set out in the latest edition of AS/NZS 4417.1

Date of Issue: 4 September 2024

Valid Until: 3 September 2029

This certificate is issued by Conformity Certification Services Pty Ltd (CCS) in accordance with the CCS Electrical Product Safety Certification Scheme (EPSC-CCS) as accredited by JAS-ANZ under ISO/IEC 17065. CCS certifies that the Electrical Equipment as described on this certificate complies with the minimum essential safety requirements for which the application has been made. This certificate is not issued under the regulator's recognition for RECS. Certification is based on type testing and within our terms and conditions.

For and on behalf of
Conformity Certification Services Pty Ltd
trading as EESS Conformity Certification



Certificate No.: EESS-240671-0

CERTIFICATE ADDENDUM

SigenStor EC, Sigen Hybrid	5.0 TP AU	6.0 TP AU	8.0 TP AU	10.0 TP AU	12.0 TP AU	15.0 TP AU	17.0 TP AU	20.0 TP AU	25.0 TP AU	30.0 TP AU
Input (PV)										
Recommended max. PV power	800W	9600W	12800W	16000W	1920W	2400W	2720W	3200W	4000W	4800W
Max. PV Input Voltage	1100Vdc									
MPPT Voltage Range	160~1000Vdc									
Start-up voltage	180Vdc									
Nominal DC input voltage	600Vdc									
Max. Input Current per MPPT	16Adc									
Isc PV per MPPT	20Adc									
Number of MPP trackers	2			3			4			
Max. input number per MPP tracker	1									
Input (DC Battery)										

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Voltage Range	600~900Vdc									
Rated Current (Max. Continuous Current)	22.5A _{dc}	27A _{dc}	36A _{dc}	40A _{dc}					65A _{dc}	
Output (On Grid)										
Nominal Power	500W	6000W	8000W	9999W	1200W	1500W	1700W	2000W	2500W	2999W
Rated. Apparent Power	500VA	6000VA	8000VA	9999VA	12000VA	15000VA	17000VA	20000VA	25000VA	29999VA
Max. Apparent Power	5000VA	6600VA	8800VA	9999VA	13200VA	15000VA	18700VA	22000VA	27500VA	29999VA
Rated Current	7.2A _{ac}	9.1A _{ac}	12.2A _{ac}	14.4A _{ac}	18.2A _{ac}	21.7A _{ac}	25.8A _{ac}	30.4A _{ac}	38A _{ac}	43.4A _{ac}
Max. Current	7.2A _{ac}	10.0A _{ac}	13.4A _{ac}	14.4A _{ac}	20.1A _{ac}	21.7A _{ac}	28.4A _{ac}	33.4A _{ac}	41.8A _{ac}	43.4A _{ac}
Nominal Voltage	380/220V _{ac} , 400/230V _{ac}									
Nominal Frequency	50/60Hz									
Power Factor	0.8(leading) - 0.8(lagging)									

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General Data										
Operating Temperature Range	-30 °C ~ + 60 °C									
Overvoltage Category	DC: OVC II, AC: OVC III									
Topology	Non-isolated									
Ingress Protection	IP66									
Protective Class	I									
FW Version	V100R001C21									

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