

Test Verification of Conformity

Verification Number: 230721033GZU -VOC001

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it them.

Once compliance with all product relevant mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address: Shanghai SIGEN New Energy Technology Co., Ltd.

No. 175 Weizhan Road, Lingang New Area, China(Shanghai) Pilot Free Trade Zone,

Shanghai, P.R.China

Product Description: Grid interactive inverter

Ratings & Principle See Appendix: Test Verification of Conformity

Characteristics:

Models/Type References: SigenStor EC 3.0 SP, SigenStor EC 3.6 SP, SigenStor EC 4.0 SP, SigenStor EC 4.6 SP,

SigenStor EC 5.0 SP, SigenStor EC 6.0 SP, SigenStor AC 3.0 SP, SigenStor AC 3.6 SP, SigenStor AC 4.0 SP, SigenStor AC 4.6 SP, SigenStor AC 5.0 SP, SigenStor AC 6.0 SP, 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

Brand Name:

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SIGENERGY

Relevant Standards/Directives:

Verification Issuing Office

Name & Address:

Engineering Recommendation G100

Issue 2 2022 Amendment 1

Technical Requirements for Customers' Export and Import Limitation Schemes

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2.

Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China

Date of Tests: 14 Jul. 2023 – 04 Sep. 2023

Test Report Number(s): 230721033GZU-001

Additional information in Appendix.

Jason Tu

Signature

Name: Jason Fu Position: Supervisor Date: 06 Sep. 2023

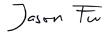


APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 230721033GZU-VOC001

Ratings & Principle Characteristics:

| SigenStor EC, Sigen Hybrid | 3.0 SP | 3.6 SP | 4.0 SP | 4.6 SP | 5.0 SP | 6.0 SP | Units |
|-------------------------------------|---------------------------|--------|--------|--------|--------|--------|-------|
| DC input (from PV) | | | | | | | |
| Max. PV power | 6000 | 7360 | 8000 | 9200 | 10000 | 12000 | W |
| Max. DC input voltage | | | 60 | 00 | | | V |
| Nominal DC input voltage | 350 | | | | | | V |
| Start-up voltage | 100 | | | | | | V |
| MPPT voltage range | 50 ~ 550 | | | | | | V |
| Number of MPP. Trackers | 2 | | | | | | |
| Number of PV strings per MPPT | 1 | | | | | | |
| Max. input current per MPPT | 16 | | | | | | Α |
| Max. short circuit current per MPPT | 20 | | | | | | Α |
| DC input (from BAT) | | | | | | | |
| Operating voltage range | 300 ~ 600 | | | | | | |
| Operating current | 12 | | | | | | |
| AC output (on-grid) | AC output (on-grid) | | | | | | |
| Nominal output power | 3000 | 3680 | 4000 | 4600 | 5000 | 6000 | W |
| Max. output apparent power | 3300 | 3680 | 4400 | 5000 | 5500 | 6600 | VA |
| Nominal output current | 13.6 | 16 | 18.2 | 20.9 | 22.7 | 27.3 | Α |
| Max. output current | 15 | 16 | 20 | 22.7 | 25 | 30 | Α |
| Nominal output voltage | 220 / 230 / 240 | | | | | | |
| Nominal grid frequency | 50 / 60 | | | | | | Hz |
| Power factor | 0.8 leading ~ 0.8 lagging | | | | | | |
| General data | | | | | | | |
| Storage temperature range | -40 ~ 70 | | | | | | |
| Operating temperature range | -30 ~ 60 | | | | | | °C |
| Ingress protection rating | IP66 | | | | | | |
| FW Version | V100R001C00 | | | | | | |



Signature

Name: Jason Fu Position: Supervisor Date: 06 Sep. 2023



APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 230721033GZU-VOC001

Ratings & Principle Characteristics:

| SigenStor AC | 3.0 SP | 3.6 SP | 4.0 SP | 4.6 SP | 5.0 SP | 6.0 SP | Units |
|-----------------------------|---------------------------|--------|--------|--------|--------|--------|-------|
| DC input (from BAT) | | | | | | | |
| Operating voltage range | 300 ~ 600 | | | | | | V |
| Operating current | 12 | | | | | | Α |
| AC output (on-grid) | | | | | | | |
| Nominal output power | 3000 | 3680 | 4000 | 4600 | 5000 | 6000 | W |
| Max. output apparent power | 3300 | 3680 | 4400 | 5000 | 5500 | 6600 | VA |
| Nominal output current | 13.6 | 16 | 18.2 | 20.9 | 22.7 | 27.3 | Α |
| Max. output current | 15 | 16 | 20 | 22.7 | 25 | 30 | Α |
| Nominal output voltage | 220 / 230 / 240 | | | | | | |
| Nominal grid frequency | 50 / 60 | | | | | | Hz |
| Power factor | 0.8 leading ~ 0.8 lagging | | | | | | |
| General data | | | | | | | |
| Storage temperature range | -40 ~ 70 | | | | | | |
| Operating temperature range | -30 ~ 60 | | | | | | °C |
| Ingress protection rating | IP66 | | | | | | |
| FW Version | V100R001C00 | | | | | | |

List of installation components (CLS):

Type of appliance/ Installation.....: Single Phase Energy meter

Manufacturer / Distributor / Installer: Zhejiang Eastron Electronic Co., Ltd

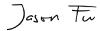
Brand..... EASTRON

Model/Type.....: SDM230-Modbus

50Hz, 1000imp/kWh, CAT III

Power accuracy:1%

Firmware Version: 02 01.02



Signature

Name: Jason Fu Position: Supervisor Date: 06 Sep. 2023



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Ratings & Principle Characteristics:

| Sigen PV Max x SP | 3.0 SP | 3.6 SP | 4.0 SP | 4.6 SP | 5.0 SP | 6.0 SP | Units |
|-------------------------------------|---------------------------|--------|--------|--------|--------|--------|---------------------------------------|
| DC input (from PV) | | | | | | | |
| Max. PV power | 6000 | 7360 | 8000 | 9200 | 10000 | 12000 | W |
| Max. DC input voltage | 600 | | | | | | |
| Nominal DC input voltage | 350 | | | | | | |
| Start-up voltage | 100 | | | | | | V |
| MPPT voltage range | 50 ~ 550 | | | | | | V |
| Number of MPP. Trackers | 2 | | | | | | |
| Number of PV strings per MPPT | 1 | | | | | | |
| Max. input current per MPPT | 16 | | | | | | |
| Max. short circuit current per MPPT | 20 | | | | | | |
| AC output (on-grid) | | | | | | | |
| Nominal output power | 3000 | 3680 | 4000 | 4600 | 5000 | 6000 | W |
| Max. output apparent power | 3300 | 3680 | 4400 | 5000 | 5500 | 6600 | VA |
| Nominal output current | 13.6 | 16 | 18.2 | 20.9 | 22.7 | 27.3 | Α |
| Max. output current | 15 | 16 | 20 | 22.7 | 25 | 30 | Α |
| Nominal output voltage | 220 / 230 / 240 | | | | | | |
| Nominal grid frequency | 50 / 60 | | | | | | |
| Power factor | 0.8 leading ~ 0.8 lagging | | | | | | |
| General data | | | | | | | |
| Storage temperature range | -40 ~ 70 | | | | | | |
| Operating temperature range | -30 ~ 60 | | | | | | °C |
| Ingress protection rating | IP66 | | | | | | · · · · · · · · · · · · · · · · · · · |
| FW Version | V100R001C00 | | | | | | |

Jason Tu

Signature

Name: Jason Fu Position: Supervisor Date: 06 Sep. 2023