

# Certificate of Conformity

Certificate Number: CN-PVES-250023R1

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

<b>Applicant:</b>	Sigenergy Technology Co., Ltd. No.175 Weizhan Road, Lingang New Area,China (Shanghai)Pilot Free Trade Zone Shanghai P.R.China.
<b>Product:</b>	Hybrid Inverter & Inverter
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	Sigen PV 50M1, Sigen PV 60M1, Sigen PV 80M1, Sigen PV 100M1, Sigen PV 110M1, Sigen PV 125M1, Sigen PV 150M1, Sigen PV 50M1-HYA, Sigen PV 60M1-HYA, Sigen PV 80M1-HYA, Sigen PV 100M1-HYA, Sigen PV 110M1-HYA, Sigen PV 125M1-HYA, Sigen PV 150M1-HYA, Sigen PV 50M1-HYB, Sigen PV 60M1-HYB, Sigen PV 80M1-HYB, Sigen PV 100M1-HYB, Sigen PV 110M1-HYB, Sigen PV 125M1-HYB, Sigen PV 150M1-HYB, Sigen PCS 50M1-A, Sigen PCS 60M1-A, Sigen PCS 80M1-A, Sigen PCS 100M1-A, Sigen PCS 110M1-A, Sigen PCS 125M1-A, Sigen PCS 150M1-A, Sigen PV 50M2, Sigen PV 60M2, Sigen PV 80M2, Sigen PV 100M2, Sigen PV 110M2, Sigen PV 125M2, Sigen PV 150M2, Sigen PV 50M2-HYA, Sigen PV 60M2-HYA, Sigen PV 80M2-HYA, Sigen PV 100M2-HYA, Sigen PV 110M2-HYA, Sigen PV 125M2-HYA, Sigen PV 150M2-HYA, Sigen PV 50M2-HYB, Sigen PV 60M2-HYB, Sigen PV 80M2-HYB, Sigen PV 100M2-HYB, Sigen PV 110M2-HYB, Sigen PV 125M2-HYB, Sigen PV 150M2-HYB, Sigen PCS 50M2-A, Sigen PCS 60M2-A, Sigen PCS 80M2-A, Sigen PCS 100M2-A, Sigen PCS 110M2-A, Sigen PCS 125M2-A, Sigen PCS 150M2-A
<b>Brand Name&lt;s&gt;:</b>	<b>SIGENERGY</b>
<b>Product Complies with:</b>	G99/NI Issue 1 April 2019 Requirements for the connection of generation equipment in parallel with public distribution networks Type approval for Type A and Type B
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai West Area, 2 <sup>nd</sup> Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
<b>Test Report No.&lt;s&gt;:</b>	250110127GZU-001 Revision 1, 20 January 2025
<b>Replaces certificate CN-PVES-250023 dated 17 January 2025</b>	
Additional information in Appendix.	

**Signature**

**Certification Manager: Grady Ye**

**Date: 21 January 2025**



PRD N° 306B

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250023R1.

Model	Sigen PV 50M1- HYA /Sigen PV 50M1- HYB	Sigen PV 60M1- HYA /Sigen PV 60M1- HYB	Sigen PV 80M1- HYA /Sigen PV 80M1- HYB	Sigen PV 100M1- HYA /Sigen PV 100M1- HYB	Sigen PV 110M1- HYA /Sigen PV 110M1- HYB	Sigen PV 125M1- HYA /Sigen PV 125M1- HYB	Sigen PV 150M1- HYA /Sigen PV 150M1- HYB
<b>DC Input</b>							
Nominal DC input voltage [V <sub>DC</sub> ]	600						
MPPT voltage range [V <sub>DC</sub> ]	160 ~ 1000						
Number of MPP trackers	4	5	6	8	8	8	8
Max. input current per MPPT [A <sub>DC</sub> ]	32						
Max. short-circuit current per MPPT [A <sub>DC</sub> ]	50						
<b>Battery input</b>							
Operating DC Voltage Range [V <sub>DC</sub> ]	550~1000						
Battery maximum continuous current [A <sub>DC</sub> ]	180						
<b>AC Output</b>							
Nominal output active power [W]	50000	60000	80000	100000	110000	125000	150000
Max. output apparent power [VA]	55000	66000	88000	110000	121000	125000	150000
Nominal output current [A <sub>AC</sub> ]	76.0 /72.5	91.2 /87.0	121.5 /115.9	151.9 /144.9	167.1 /159.4	181.2	217.4
Max. output current [A <sub>AC</sub> ]	83.6 /79.7	100.3 /95.7	133.7 /127.5	167.1 /159.4	183.8 /175.4	181.2	217.4
Nominal output voltage [V <sub>AC</sub> ]	380 / 400 (3 / N / PE, N-wire is optional)					400 (3 / N / PE, N-wire is optional)	
Nominal grid frequency [Hz]	50 / 60						
Power factor	0.8 leading ~ 0.8 lagging						
<b>General Data</b>							
Operating temperature range [°C]	-30 ~ 60						
System ingress protection rating	IP66						

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Model	Sigen PCS 50M1	Sigen PCS 60M1	Sigen PCS 80M1	Sigen PCS 100M1	Sigen PCS 110M1	Sigen PCS 125M1	Sigen PCS 150M1
Battery input							
Operating DC Voltage Range [V <sub>DC</sub> ]	550~1000						
Battery maximum continuous current [A <sub>DC</sub> ]	180						
AC Output							
Nominal output active power [W]	50000	60000	80000	100000	110000	125000	150000
Max. output apparent power [VA]	55000	66000	88000	110000	121000	125000	150000
Nominal output current [A <sub>AC</sub> ]	76.0 /72.5	91.2 /87.0	121.5 /115.9	151.9 /144.9	167.1 /159.4	181.2	217.4
Max. output current [A <sub>AC</sub> ]	83.6 /79.7	100.3 /95.7	133.7 /127.5	167.1 /159.4	183.8 /175.4	181.2	217.4
Nominal output voltage [V <sub>AC</sub> ]	380 / 400 (3 / N / PE, N-wire is optional)					400 (3 / N / PE, N-wire is optional)	
Nominal grid frequency [Hz]	50 / 60						
Power factor	0.8 leading ~ 0.8 lagging						
General Data							
Operating temperature range [°C]	-30 ~ 60						
System ingress protection rating	IP66						

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Model	Sigen PV 50M2	Sigen PV 60M2	Sigen PV 80M2	Sigen PV 100M2	Sigen PV 110M2	Sigen PV 125M2	Sigen PV 150M2
DC Input							
Nominal DC input voltage [V <sub>DC</sub> ]	600						
MPPT voltage range [V <sub>DC</sub> ]	160 ~ 1150						
Number of MPP. trackers	4	5	6	8	8	8	8
Max. input current per MPPT [A <sub>DC</sub> ]	32						
Max. short-circuit current per MPPT [A <sub>DC</sub> ]	50						
AC Output							
Nominal output active power [W]	50000	60000	80000	100000	110000	125000	150000
Max. output apparent power [VA]	55000	66000	88000	110000	121000	125000	150000
Nominal output current [A <sub>AC</sub> ]	76.0 /72.5	91.2 /87.0	121.5 /115.9	151.9 /144.9	167.1 /159.4	181.2	217.4
Max. output current [A <sub>AC</sub> ]	83.6 /79.7	100.3 /95.7	133.7 /127.5	167.1 /159.4	183.8 /175.4	181.2	217.4
Nominal output voltage [V <sub>AC</sub> ]	380 / 400 (3 / N / PE, N-wire is optional)					400 (3 / N / PE, N-wire is optional)	
Nominal grid frequency [Hz]	50 / 60						
Power factor	0.8 leading ~ 0.8 lagging						
General Data							
Operating temperature range [°C]	-30 ~ 60						
System ingress protection rating	IP66						

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Model	Sigen PV 50M2- HYA /Sigen PV 50M2- HYB	Sigen PV 60M2- HYA /Sigen PV 60M2- HYB	Sigen PV 80M2- HYA /Sigen PV 80M2- HYB	Sigen PV 100M2- HYA /Sigen PV 100M2- HYB	Sigen PV 110M2- HYA /Sigen PV 110M2- HYB	Sigen PV 125M2- HYA /Sigen PV 125M2- HYB	Sigen PV 150M2- HYA /Sigen PV 150M2- HYB
<b>DC Input</b>							
Nominal DC input voltage [V <sub>DC</sub> ]	600						
MPPT voltage range [V <sub>DC</sub> ]	160 ~ 1150						
Number of MPP. trackers	4	5	6	8	8	8	8
Max. input current per MPPT [A <sub>DC</sub> ]	32						
Max. short-circuit current per MPPT [A <sub>DC</sub> ]	50						
<b>Battery input</b>							
Operating DC Voltage Range [V <sub>DC</sub> ]	550~1150						
Battery maximum continuous current [A <sub>DC</sub> ]	180						
<b>AC Output</b>							
Nominal output active power [W]	50000	60000	80000	100000	110000	125000	150000
Max. output apparent power [VA]	55000	66000	88000	110000	121000	125000	150000
Nominal output current [A <sub>AC</sub> ]	76.0 /72.5	91.2 /87.0	121.5 /115.9	151.9 /144.9	167.1 /159.4	181.2	217.4
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Nominal output voltage [V <sub>AC</sub> ]	380 / 400 (3 / N / PE, N-wire is optional)					400 (3 / N / PE, N-wire is optional)	
Nominal grid frequency [Hz]	50 / 60						
Power factor	0.8 leading ~ 0.8 lagging						
Operating temperature range [°C]	-30 ~ 60						
System ingress protection rating	IP66						

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Model	Sigen PCS 50M2	Sigen PCS 60M2	Sigen PCS 80M2	Sigen PCS 100M2	Sigen PCS 110M2	Sigen PCS 125M2	Sigen PCS 150M2
Battery input							
Operating DC Voltage Range [V <sub>DC</sub> ]	550~1150						
Battery maximum continuous current [A <sub>DC</sub> ]	180						
AC Output							
Nominal output active power [W]	50000	60000	80000	100000	110000	125000	150000
Max. output apparent power [VA]	55000	66000	88000	110000	121000	125000	150000
Nominal output current [A <sub>AC</sub> ]	76.0 /72.5	91.2 /87.0	121.5 /115.9	151.9 /144.9	167.1 /159.4	181.2	217.4
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Nominal output voltage [V <sub>AC</sub> ]	380 / 400 (3 / N / PE, N-wire is optional)					400 (3 / N / PE, N-wire is optional)	
Nominal grid frequency [Hz]	50 / 60						
Power factor	0 .8 leading ~ 0 .8 lagging						
General Data							
Operating temperature range [°C]	-30 ~ 60						
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