

Test Verification of Conformity

Verification Number: 241016030GZU-VOC001

On the basis of the tests undertaken, the sample(s) of the below product has been tested by an accredited 3rd party laboratory in accordance to the referenced specification(s)/standard(s) at the time the tests were carried out. This verification is part of the full test report(s) and should be read in conjunction with it (them).

Applicant Name & Address:	Sigenergy Technology Co., Ltd. No. 175 Weizhan Road, Lingang New Area, China(Shanghai) Pilot Free Trade Zone, Shanghai, P.R.China
Product Description:	SigenStack Energy Storage System
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	See page 2-11 for details
Brand Names:	Sigenergy
Specification(s)/Standards:	ANSI/CAN/UL 9540A:2019 Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems Unit level test (clause 9.1-9.8)
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch. Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Date of Tests:	13 March 2025 to 17 Ma
Test Report Number(s):	241016030GZU-002, 11
Additional information in Appendix.	

Signature

Name: [REDACTED]
Position: Manager
Date: 16 April 2025

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 241016030GZU-VOC001.

Ratings & Principle Characteristics:

Model:	SigenStack M2-0.5C-BST-4/48.23 kWh	SigenStack M2-0.5C-BST-5/60.29 kWh	SigenStack M2-0.5C-BST-6/72.35 kWh	SigenStack M2-0.5C-BST-7/84.4 kWh	SigenStack M2-0.5C-BST-8/96.46 kWh
Rated capacity (Ah):	314	314	314	314	314
Rated energy (kWh):	48.23	60.29	72.35	84.4	96.46
Nominal voltage (V):	153.6	192	230.4	268.8	307.2
Weight(kg):	500	605.5	711	816.5	922
Module series and/or parallel configuration:	4S1P	5S1P	6S1P	7S1P	8S1P
Total number of cells:	48	60	72	84	96
Standard charge method:					
Charge power (kW):	24.1152	30.144	36.1728	42.2016	48.2304
End of charge voltage (V):	170.4	213	255.6	298.2	340.8
Standard discharge method:					
Discharge power (kW):	24.1152	30.144	36.1728	42.2016	48.2304
End of discharge voltage (V):	139.2	174	208.8	243.6	278.4

Signature

Name: [REDACTED]
Position: Manager
Date: 16 April 2025

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 241016030GZU-VOC001.

Ratings & Principle Characteristics:

Model:	SigenStack M2-0.5C-BST-9/108.52 kWh	SigenStack M2-0.5C-BST-10/120.58 kWh	SigenStack M2-0.5C-BST-11/132.63 kWh	SigenStack M2-0.5C-BST-12/144.69 kWh	SigenStack M2-0.5C-BST-13/156.75 kWh
Rated capacity (Ah):	314	314	314	314	314
Rated energy (kWh):	108.52	120.58	132.63	144.69	156.75
Nominal voltage (V):	345.6	384	422.4	460.8	499.2
Weight(kg):	1027.5	1133	1238.5	1344	1449.5
Module series and/or parallel configuration:	9S1P	10S1P	11S1P	12S1P	13S1P
Total number of cells:	108	120	132	144	156
Standard charge method:					
Charge power (kW):	54.2592	60.288	66.3168	72.3456	78.3744
End of charge voltage (V):	383.4	426	468.6	511.2	553.8
Standard discharge method:					
Discharge power (kW):	54.2592	60.288	66.3168	72.3456	78.3744
End of discharge voltage (V):	313.2	348	382.8	417.6	452.4

Signature

Name: [REDACTED]
Position: Manager
Date: 16 April 2025

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 241016030GZU-VOC001.

Ratings & Principle Characteristics:

Model:	SigenStack M2-0.5C-BST-14/168.81 kWh	SigenStack M2-0.5C-BST-15/180.86 kWh	SigenStack M2-0.5C-BST-16/192.92 kWh	SigenStack M2-0.5C-BST-17/204.98 kWh	SigenStack M2-0.5C-BST-18/217.04 kWh
Rated capacity (Ah):	314	314	314	314	314
Rated energy (kWh):	168.81	180.86	192.92	204.98	217.04
Nominal voltage (V):	537.6	576	614.4	652.8	691.2
Weight(kg):	1555	1660.5	1766	1871.5	1977
Module series and/or parallel configuration:	14S1P	15S1P	16S1P	17S1P	18S1P
Total number of cells:	168	180	192	204	216
Standard charge method:					
Charge power (kW):	84.4032	90.432	96.4608	102.4896	108.5184
End of charge voltage (V):	596.4	639	681.6	724.2	766.8
Standard discharge method:					
Discharge power (kW):	84.4032	90.432	96.4608	102.4896	108.5184
End of discharge voltage (V):	487.2	522	556.8	591.6	626.4

Signature

Name: [REDACTED]
Position: Manager
Date: 16 April 2025

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 241016030GZU-VOC001.

Ratings & Principle Characteristics:

Model:	SigenStack M2-0.5C-BST-19/229.09 kWh	SigenStack M2-0.5C-BST-20/241.15 kWh	SigenStack M2-0.5C-BST-21/253.21 kWh	SigenStack M2-0.5C-BST-22/265.27 kWh	SigenStack M2-0.5C-BST-23/277.32 kWh
Rated capacity (Ah):	314	314	314	314	314
Rated energy (kWh):	229.09	241.15	253.21	265.27	277.32
Nominal voltage (V):	729.6	768	806.4	844.8	883.2
Weight(kg):	2082.5	2188	2293.5	2399	2504.5
Module series and/or parallel configuration:	19S1P	20S1P	21S1P	22S1P	23S1P
Total number of cells:	228	240	252	264	276
Standard charge method:					
Charge power (kW):	114.5472	120.576	125	125	125
End of charge voltage (V):	809.4	852	894.6	937.2	979.8
Standard discharge method:					
Discharge power (kW):	114.5472	120.576	125	125	125
End of discharge voltage (V):	661.2	696	730.8	765.6	800.4

Signature

Name: [REDACTED]
Position: Manager
Date: 16 April 2025

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 241016030GZU-VOC001.

Ratings & Principle Characteristics:

Model:	SigenStack M2-0.5C-BST-24/289.38 kWh	SigenStack M2-0.5C-BST-25/301.44 kWh	SigenStack M2-0.5C-20/241.15 kWh	SigenStack M2-0.5C-21/253.21 kWh	SigenStack M2-0.5C-22/265.27 kWh
Rated capacity (Ah):	314	314	314	314	314
Rated energy (kWh):	289.38	301.44	241.15	253.21	265.27
Nominal voltage (V):	921.6	960	768	806.4	844.8
Weight(kg):	2610	2715.5	2188	2293.5	2399
Module series and/or parallel configuration:	24S1P	25S1P	20S1P	21S1P	22S1P
Total number of cells:	288	300	240	252	264
Standard charge method:					
Charge power (kW):	125	125	120.576	125	125
End of charge voltage (V):	1022.4	1065	852	894.6	937.2
Standard discharge method:					
Discharge power (kW):	125	125	120.576	125	125
End of discharge voltage (V):	835.2	870	696	730.8	765.6

Signature

Name: [REDACTED]
Position: Manager
Date: 16 April 2025

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 241016030GZU-VOC001.

Ratings & Principle Characteristics:

Model:	SigenStack M2-0.5C-23/277.32 kWh	SigenStack M2-0.5C-24/289.38 kWh	SigenStack M2-0.5C-25/301.44 kWh	SigenStack M2-1C-BST-4/48.23 kWh	SigenStack M2-1C-BST-5/60.29 kWh
Rated capacity (Ah):	314	314	314	314	314
Rated energy (kWh):	277.32	289.38	301.44	48.23	60.29
Nominal voltage (V):	883.2	921.6	960	153.6	192
Weight(kg):	2504.5	2610	2715.5	500	605.5
Module series and/or parallel configuration:	23S1P	24S1P	25S1P	4S1P	5S1P
Total number of cells:	276	288	300	48	60
Standard charge method:					
Charge power (kW):	125	125	125	48.23	60.29
End of charge voltage (V):	979.8	1022.4	1065	170.4	213
Standard discharge method:					
Discharge power (kW):	125	125	125	48.23	60.29
End of discharge voltage (V):	800.4	835.2	870	139.2	174

Signature

Name: [REDACTED]
Position: Manager
Date: 16 April 2025

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 241016030GZU-VOC001.

Ratings & Principle Characteristics:

Model:	SigenStack M2-1C-BST-11/132.63 kWh	SigenStack M2-1C-BST-12/144.69 kWh	SigenStack M2-1C-BST-13/156.75 kWh	SigenStack M2-1C-BST-14/168.81 kWh	SigenStack M2-1C-BST-15/180.86 kWh
Rated capacity (Ah):	314	314	314	314	314
Rated energy (kWh):	132.63	144.69	156.75	168.81	180.86
Nominal voltage (V):	422.4	460.8	499.2	537.6	576
Weight(kg):	1238.5	1344	1449.5	1555	1660.5
Module series and/or parallel configuration:	11S1P	12S1P	13S1P	14S1P	15S1P
Total number of cells:	132	144	156	168	180
Standard charge method:					
Charge power (kW):	125	125	125	125	125
End of charge voltage (V):	468.6	511.2	553.8	596.4	639
Standard discharge method:					
Discharge power (kW):	125	125	125	125	125
End of discharge voltage (V):	382.8	417.6	452.4	487.2	522

Signature

Name: [REDACTED]
 Position: Manager
 Date: 16 April 2025

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 241016030GZU-VOC001.

Ratings & Principle Characteristics:

Model:	SigenStack M2-1C-BST-6/72.35 kWh	SigenStack M2-1C-BST-7/84.4 kWh	SigenStack M2-1C-BST-8/96.46 kWh	SigenStack M2-1C-BST-9/108.52 kWh	SigenStack M2-1C-BST-10/120.58 kWh
Rated capacity (Ah):	314	314	314	314	314
Rated energy (kWh):	72.35	84.4	96.46	108.52	120.58
Nominal voltage (V):	230.4	268.8	307.2	345.6	384
Weight(kg):	711	816.5	922	1027.5	1133
Module series and/or parallel configuration:	6S1P	7S1P	8S1P	9S1P	10S1P
Total number of cells:	72	84	96	108	120
Standard charge method:					
Charge power (kW):	72.35	84.4	96.46	108.52	120.58
End of charge voltage (V):	255.6	298.2	340.8	383.4	426
Standard discharge method:					
Discharge power (kW):	72.35	84.4	96.46	108.52	120.58
End of discharge voltage (V):	208.8	243.6	278.4	313.2	348

Signature

Name: [REDACTED]
Position: Manager
Date: 16 April 2025

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 241016030GZU-VOC001.

Ratings & Principle Characteristics:

Model:	SigenStack M2-1C-BST-16/192.92 kWh	SigenStack M2-1C-BST-17/204.98 kWh	SigenStack M2-1C-BST-18/217.04 kWh	SigenStack M2-1C-BST-19/229.09 kWh	SigenStack M2-1C-BST-20/241.15 kWh
Rated capacity (Ah):	314	314	314	314	314
Rated energy (kWh):	192.92	204.98	217.04	229.09	241.15
Nominal voltage (V):	614.4	652.8	691.2	729.6	768
Weight(kg):	1766	1871.5	1977	2082.5	2188
Module series and/or parallel configuration:	16S1P	17S1P	18S1P	19S1P	20S1P
Total number of cells:	192	204	216	228	240
Standard charge method:					
Charge power (kW):	125	125	125	125	125
End of charge voltage (V):	681.6	724.2	766.8	809.4	852
Standard discharge method:					
Discharge power (kW):	125	125	125	125	125
End of discharge voltage (V):	556.8	591.6	626.4	661.2	696

Signature

Name: [REDACTED]
 Position: Manager
 Date: 16 April 2025

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 241016030GZU-VOC001.

Ratings & Principle Characteristics:

Model:	SigenStack M2-1C-BST-21/253.21 kWh	SigenStack M2-1C-BST-22/265.27 kWh	SigenStack M2-1C-BST-23/277.32 kWh	SigenStack M2-1C-BST-24/289.38 kWh	SigenStack M2-1C-BST-25/301.44 kWh
Rated capacity (Ah):	314	314	314	314	314
Rated energy (kWh):	253.21	265.27	277.32	289.38	301.44
Nominal voltage (V):	806.4	844.8	883.2	921.6	960
Weight(kg):	2293.5	2399	2504.5	2610	2715.5
Module series and/or parallel configuration:	21S1P	22S1P	23S1P	24S1P	25S1P
Total number of cells:	252	264	276	288	300
Standard charge method:					
Charge power (kW):	125	125	125	125	125
End of charge voltage (V):	894.6	937.2	979.8	1022.4	1065
Standard discharge method:					
Discharge power (kW):	125	125	125	125	125
End of discharge voltage (V):	730.8	765.6	800.4	835.2	870

Signature

Name: [REDACTED]
 Position: Manager
 Date: 16 April 2025

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.