


Test Verification of Conformity

Verification Number: 250219087SZN-VOC001

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. 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, China
Product Description:	Rechargeable Lithium-ion Battery System
Ratings & Principle Characteristics:	See Page 2 to 6
Models/Type References:	See Page 6 to 7
Brand Names:	
Specification<s>/Standards:	IEC 62619:2022
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Longhua Branch 101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community, GuanHu Subdistrict, LongHua District, ShenZhen, P.R. China
Date of Tests:	2024-12-30 to 2025-02-15
Test Report Number(s):	250219087SZN-001



Signature

Name: Joseph Li
Position: Reviewer
Date: 2025. 2. 26

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Ratings and principal characteristics

Model	Nominal capacity	Nominal voltage	Nominal Charge Current	Nominal Discharge Current	Maximum Charge Current	Charging Temperature Range	Maximum Charge Voltage	Cut-off Voltage
SigenStack M2-0.5C-20/241.15 kWh	314Ah	768V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-21/253.21 kWh	314Ah	806.4V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-22/265.27 kWh	314Ah	844.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-23/277.32 kWh	314Ah	883.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-24/289.38 kWh	314Ah	921.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-25/301.44 kWh	314Ah	960V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-BST-4/48.23 kWh	314Ah	153.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-BST-5/60.29 kWh	314Ah	192V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-BST-6/72.35 kWh	314Ah	230.4V	157A	157A		0°C ~55°C	3.55V/(cell)	2.9V/(cell)

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SigenStack M2-0.5C-BST-7/84.4 kWh	314Ah	268.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-BST-8/96.46 kWh	314Ah	307.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-BST-9/108.52 kWh	314Ah	345.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-BST-10/120.58 kWh	314Ah	422.4V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-BST-11/132.63 kWh	314Ah	460.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-BST-12/144.69 kWh	314Ah	499.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-BST-13/156.75 kWh	314Ah	499.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-BST-14/168.81 kWh	314Ah	537.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-BST-15/180.86 kWh	314Ah	576V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-0.5C-BST-16/192.92 kWh	314Ah	614.4V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-	314Ah	652.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)

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0.5C-BST-17/204.9 8 kWh								
SigenStack M2-0.5C-BST-18/217.0 4 kWh	314Ah	691.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell II)
SigenStack M2-0.5C-BST-19/229.0 9 kWh	314Ah	729.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell II)
SigenStack M2-0.5C-BST-20/241.1 5 kWh	314Ah	768V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell II)
SigenStack M2-0.5C-BST-21/253.2 1 kWh	314Ah	806.4V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell II)
SigenStack M2-0.5C-BST-22/265.2 7 kWh	314Ah	844.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell II)
SigenStack M2-0.5C-BST-23/277.3 2 kWh	314Ah	883.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell II)
SigenStack M2-0.5C-BST-24/289.3 8 kWh	314Ah	921.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell II)
SigenStack M2-0.5C-BST-25/301.4 4 kWh	314Ah	960V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell II)
SigenStack M2-1C-BST-4/48.23 kWh	314Ah	153.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell II)
SigenStack M2-1C-BST-	314Ah	192V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell II)

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5/60.29 kWh								
SigenStack M2-1C-BST-6/72.35 kWh	314Ah	230.4V	157A	157A		0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-7/84.4 kWh	314Ah	268.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-8/96.46 kWh	314Ah	307.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-9/108.52 kWh	314Ah	345.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-10/120.58 kWh	314Ah	422.4V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-11/132.63 kWh	314Ah	460.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-12/144.69 kWh	314Ah	499.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-13/156.75 kWh	314Ah	499.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-14/168.81 kWh	314Ah	537.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-15/180.86 kWh	314Ah	576V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)

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SigenStack M2-1C-BST-16/192.92 kWh	314Ah	614.4V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-17/204.98 kWh	314Ah	652.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-18/217.04 kWh	314Ah	691.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-19/229.09 kWh	314Ah	729.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-20/241.15 kWh	314Ah	768V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-21/253.21 kWh	314Ah	806.4V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-22/265.27 kWh	314Ah	844.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-23/277.32 kWh	314Ah	883.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-24/289.38 kWh	314Ah	921.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)
SigenStack M2-1C-BST-25/301.44 kWh	314Ah	960V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(cell)

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Model / Type Ref.

SigenStack M2-0.5C-20/241.15 kWh
SigenStack M2-0.5C-21/253.21 kWh
SigenStack M2-0.5C-22/265.27 kWh
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 M2-0.5C-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
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
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
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
SigenStack M2-0.5C-BST-24/289.38 kWh
SigenStack M2-0.5C-BST-25/301.44 kWh
SigenStack M2-1C-BST-4/48.23 kWh
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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

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