

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,

Product Description: Rechargeable Lithium-ion Battery System

Ratings & Principle See Page 2 to 6 Characteristics:

Models/Type References: See Page 6 to 7

Brand Names: SIÇENERÇY

Specification<s>/Standards: IEC 62619:2022

Verification Issuing Office Name Intertek Testing Services Shenzhen Ltd. Longhua Branch

& Address:

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

250219087SZN-001 Test Report Number(s):

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 Temperatu re Range	Maximum Charge Voltage	Cut-off Voltage
SigenStac k M2- 0.5C- 20/241.1 5 kWh	314Ah	768V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C- 21/253.2 1 kWh	314Ah	806.4V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C- 22/265.2 7 kWh	314Ah	844.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C- 23/277.3 2 kWh	314Ah	883.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C- 24/289.3 8 kWh	314Ah	921.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C- 25/301.4 4 kWh	314Ah	960V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C-BST- 4/48.23 kWh	314Ah	153.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C-BST- 5/60.29 kWh	314Ah	192V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C-BST- 6/72.35 kWh	314Ah	230.4V	157A	157A		0°C ~55°C	3.55V/(cell)	2.9V/(ce II)



SigenStac k M2- 0.5C-BST- 7/84.4 kWh	314Ah	268.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C-BST- 8/96.46 kWh	314Ah	307.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C-BST- 9/108.52 kWh	314Ah	345.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C-BST- 10/120.5 8 kWh	314Ah	422.4V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C-BST- 11/132.6 3 kWh	314Ah	460.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C-BST- 12/144.6 9 kWh	314Ah	499.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C-BST- 13/156.7 5 kWh	314Ah	499.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C-BST- 14/168.8 1 kWh	314Ah	537.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C-BST- 15/180.8 6 kWh	314Ah	576V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2- 0.5C-BST- 16/192.9 2 kWh	314Ah	614.4V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2-	314Ah	652.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)



	T		1	Т	1	1	1	
0.5C-BST-								
17/204.9				2,3-2				
8 kWh								
SigenStac								
k M2-			-2				2 FFV//sell	2.01//00
0.5C-BST-	314Ah	691.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell	2.9V/(ce
18/217.0)	II)
4 kWh	_^\\							A ()
SigenStac	N-2							A 1
k M2-								
0.5C-BST-	314Ah	729.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell	2.9V/(ce
19/229.0	31	, 23.01	23771	13771	20071)	II)
9 kWh						A ()		
SigenStac					10000			
k M2-	04441	7601	455.40	4554	1001	200 - 5500	3.55V/(cell	2.9V/(ce
0.5C-BST-	314Ah	768V	157A	157A	180A	0°C ~55°C)	II)
20/241.1			107		100	700	'	,
5 kWh					10	30		
SigenStac	- 1		. 107		- 70	-	D	
k M2-		77.00					VA.	
0.5C-BST-	314Ah	806.4V	157A	157A	180A	0°C ~55°C	3.55V/(cell	2.9V/(ce
21/253.2	314AII	000.4V	13/A	13/4	1004	0 0 33 0)	II)
1 kWh			107		1		- 10	
	70	/A			M.			
SigenStac		7)		-		100		
k M2-							0.55::# .:	0.00.77
0.5C-BST-	314Ah	844.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell	2.9V/(ce
22/265.2)	II)
7 kWh	634	Uh	ds.	450	11	in .		
SigenStac	100						100	
k M2-					1/1	1	2.49	
0.5C-BST-	314Ah	883.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell	2.9V/(ce
23/277.3	JITANI	003.2 V	13/7	13,7	1004)	II)
23/2/7.3 2 kWh	W			111			AUF :	
-							7	
SigenStac		100			101			
k M2-	24.441	024 614	4574	4574	4004	000	3.55V/(cell	2.9V/(ce
0.5C-BST-	314Ah	921.6V	157A	157A	180A	0°C ~55°C) ^	II)
24/289.3		- 10	P 10		M		*	,
8 kWh					101 -00			
SigenStac				0				
k M2-		A) • "				3.55V/(cell	2.9V/(ce
0.5C-BST-	314Ah	960V	157A	157A	180A	0°C ~55°C		2.9V/(ce)
25/301.4)	"')
4 kWh	20							
SigenStac	(A/ T							
k M2-1C-	3 -							
BST-	314Ah	153.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell	2.9V/(ce
4/48.23)	II)
kWh						_ ^	10-7	
-								
SigenStac	21116	1021/	1574	1574	1904	0°C ~55°C	3.55V/(cell	2.9V/(ce
k M2-1C-	314Ah	192V	157A	157A	180A	0 6 55 6)	II)
BST-	I	I						



F/C0 30		1	1		<u> </u>	1	1	
5/60.29 kWh				.0				
			_ 12.7					
SigenStac k M2-1C-			. 02					
BST-	314Ah	230.4V	157A	157A		0°C ~55°C	3.55V/(cell	2.9V/(ce
6/72.35	314AII	230.41	13/4	13/4		0 0 33 0)	II)
		6-0						
kWh				+				
SigenStac k M2-1C-	-0)							
BST-	21/1/16	260 01/	1574	157A	180A	0°C ~55°C	3.55V/(cell	2.9V/(ce
	314Ah	268.8V	157A	15/A	180A	0 C 35 C)	II)
7/84.4							A P4	
kWh								
SigenStac				0 0	A CONTRACTOR OF THE PARTY OF TH			
k M2-1C-	2444	207.214	1574	1574	1004	000000000	3.55V/(cell	2.9V/(ce
BST-	314Ah	307.2V	157A	157A	180A	0°C ~55°C)	II)
8/96.46		10	- ///		10	1000		,
kWh			407					
SigenStac			- 101				N.	
k M2-1C-	24.44	245 614	4571	4574	1004	000 500	3.55V/(cell	2.9V/(ce
BST-	314Ah	345.6V	157A	157A	180A	0°C ~55°C)	II)
9/108.52				111			100	,
kWh								
SigenStac	- 60							
k M2-1C-							3.55V/(cell	2.9V/(ce
BST-	314Ah	422.4V	157A	157A	180A	0°C ~55°C)	II)
10/120.5				- 40			100	, AO
8 kWh	9 9			- 0	14		- O	1
SigenStac	-	111	de.			and the same of th		
k M2-1C-			ML.				3.55V/(cell	2.9V/(ce
BST-	314Ah	460.8V	157A	157A	180A	0°C ~55°C)	II)
11/132.6								,
3 kWh							49	
SigenStac	100		0,,,,	111		l'annual de l'annu	100	
k M2-1C-	04.11	402.5		455	100:	000	3.55V/(cell	2.9V/(ce
BST-	314Ah	499.2V	157A	157A	180A	0°C ~55°C)	II)
12/144.6		100	100		- 10	100	,	'
9 kWh			- 10		407			
SigenStac		- 10	- D		M			
k M2-1C-				D	All Committee		3.55V/(cell	2.9V/(ce
BST-	314Ah	499.2V	157A	157A	180A	0°C ~55°C)	II)
13/156.7			3 *				<i>'</i>	,
5 kWh								
SigenStac	_ (\)							
k M2-1C-							3.55V/(cell	2.9V/(ce
BST-	314Ah	537.6V	157A	157A	180A	0°C ~55°C)	II)
14/168.8								
1 kWh							1.2	
SigenStac							6.2	
k M2-1C-							3.55V/(cell	2.9V/(ce
BST-	314Ah	576V	157A	157A	180A	0°C ~55°C)	II)
15/180.8					1		,	,
6 kWh					- M			



SigenStac k M2-1C- BST- 16/192.9 2 kWh	314Ah	614.4V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2-1C- BST- 17/204.9 8 kWh	314Ah	652.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2-1C- BST- 18/217.0 4 kWh	314Ah	691.2V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2-1C- BST- 19/229.0 9 kWh	314Ah	729.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2-1C- BST- 20/241.1 5 kWh	314Ah	768V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2-1C- BST- 21/253.2 1 kWh	314Ah	806.4V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2-1C- BST- 22/265.2 7 kWh	314Ah	844.8V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2-1C- BST- 23/277.3 2 kWh	314Ah	883.2V	157A	157A	180A	0°C~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2-1C- BST- 24/289.3 8 kWh	314Ah	921.6V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)
SigenStac k M2-1C- BST- 25/301.4 4 kWh	314Ah	960V	157A	157A	180A	0°C ~55°C	3.55V/(cell)	2.9V/(ce II)



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 SigenStack M2-1C-BST-5/60.29 kWh 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 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 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 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

