Test Verification of Conformity

Verification Number: 241212104GZU-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:	SURRETTE BATTERY COMPANY LTD 58 LISGAR STREET SPRINGHILL, NOVA SCOTIA, B0M 1X0, CANADA
Product Description:	LITHIUM BATTERY
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	S48-100LFP STACK-LV, S48-200LFP STACK-LV, S48-300LFP STACK-LV, S48-400LFP STACK-LV, S48-500LFP STACK-LV, S48-600LFP STACK-LV, S48-700LFP STACK-LV, S48-800LFP STACK-LV
Brand Names:	ROLLS BATTERY ENGINEERING
Specification<s>/Standards:	ANSI/CAN/UL 9540A:2025 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:	27 May 2025 to 29 May 2025
Test Report Number(s):	241212104GZC-001, 06 July 2025

Additional information in Appendix.

Jason Fu

Signature

Name: Jason Fu
Position: Manager
Date: 07 July 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 241212104GZU-VOC001.

Ratings & Principle Characteristics:

Model:	S48-100LFP STACK-LV	S48-200LFP STACK-LV
Rated Capacity (Ah):	100	200
Rated energy (kWh):	5.12	10.24
Nominal voltage (V):	51.2	51.2
Weight(kg):	69.0	118.2
Dimensions (D*W*H)	600(±1) mm x 450(±1) mm x 320(±5) mm	600(±1) mm x 450(±1) mm x 480(±5) mm
Module series and/or parallel configuration:	1S1P	1S2P
Total number of cells:	16	32
Standard charge method:		
Charge current (A):	50	100
Max Charge current (A):	100	160
End of charge voltage (V):	56.8	56.8
Standard discharge method:		
Discharge current (A):	50	100
Max Discharge current (A):	100	160
End of discharge voltage (V):	48	48
Rest time between charge and discharge	30min	30min

Jason Fu

Signature

Name: Jason Fu
Position: Manager
Date: 07 July 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 241212104GZU-VOC001.

Ratings & Principle Characteristics:

Model:	S48-300LFP STACK-LV	S48-400LFP STACK-LV
Rated Capacity (Ah):	300	400
Rated energy (kWh):	15.36	20.48
Nominal voltage (V):	51.2	51.2
Weight(kg):	167.4	216.6
Dimensions (D*W*H)	600(±1) mm x 450(±1) mm x 640(±5)mm	600(±1) mm x 450(±1) mm x 800(±5) mm
Module series and/or parallel configuration:	1S3P	1S4P
Total number of cells:	48	64
Standard charge method:		
Charge current (A):	150	200
Max Charge current (A):	240	320
End of charge voltage (V):	56.8	56.8
Standard discharge method:		
Discharge current (A):	150	200
Max Discharge current (A):	240	320
End of discharge voltage (V):	48	48
Rest time between charge and discharge	30min	30min

Jason Fu

Signature

Name: Jason Fu
Position: Manager
Date: 07 July 2025

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This is an Appendix to Test Verification of Conformity Number: 241212104GZU-VOC001.

Ratings & Principle Characteristics:

Model:	S48-500LFP STACK-LV	S48-600LFP STACK-LV
Rated Capacity (Ah):	500	600
Rated energy (kWh):	25.60	30.72
Nominal voltage (V):	51.2	51.2
Weight(kg):	265.8	315.0
Dimensions (D*W*H)	600(±1) mm x 450(±1) mm x 960(±5)mm	600(±1) mm x 450(±1) mm x 1120(±5)mm
Module series and/or parallel configuration:	1S5P	1S6P
Total number of cells:	80	96
Standard charge method:		
Charge current (A):	250	300
Max Charge current (A):	400	400
End of charge voltage (V):	56.8	56.8
Standard discharge method:		
Discharge current (A):	250	300
Max Discharge current (A):	400	400
End of discharge voltage (V):	48	48
Rest time between charge and discharge	30min	30min

Jason Fu

Signature

Name: Jason Fu
Position: Manager
Date: 07 July 2025

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This is an Appendix to Test Verification of Conformity Number: 241212104GZU-VOC001.

Ratings & Principle Characteristics:

Model:	S48-700LFP STACK-LV	S48-800LFP STACK-LV
Rated Capacity (Ah):	700	800
Rated energy (kWh):	35.84	40.96
Nominal voltage (V):	51.2	51.2
Weight(kg):	364.2	413.4
Dimensions (D*W*H)	600(±1) mm x 450(±1) mm x 1280(±5)mm	600(±1) mm x 450(±1) mm x 1440(±5) mm
Module series and/or parallel configuration:	1S7P	1S8P
Total number of cells:	112	128
Standard charge method:		
Charge current (A):	350	400
Max Charge current (A):	400	400
End of charge voltage (V):	56.8	56.8
Standard discharge method:		
Discharge current (A):	350	400
Max Discharge current (A):	400	400
End of discharge voltage (V):	48	48
Rest time between charge and discharge	30min	30min

Jason Fu

Signature

Name: Jason Fu
Position: Manager
Date: 07 July 2025

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