

Test Verification of Conformity

Verification Number: 221002220SHA-V2

On the basis of the tests undertaken, the sample<s> of the below product have been tested with the requirements of the referenced specification<s>/standard<s>. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

Applicant Name & Address:	EG4 Electronics LLC 1130 Como Street South, Sulphur Springs, TX 75482-4502 United States
Product Description:	Rechargeable Lithium-Ion Battery pack
Ratings & Principle Characteristics:	See Appendix (Specifications table)
Models/Type References:	EG4-LL
Brand Name:	EG4
Relevant Standards:	Clause 8.1-8.4 (module level test) of ANSI/CAN/UL 9540A:2019 (Fourth Edition) + UL CRD's
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2022-11-10 to 2022-12-12
Test Report Number(s):	221002220SHA-002

Additional information in Appendix.


Signature

Name: Max Jin

Position: General Manager

Date: 2023-02-21

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 221002220SHA -V2

Manufacturer: EG4 Electronics LLC

Specifications table	
Mode name	EG4-LL
Cells in series/parallel	16S1P
Cooling method	Nature cooling
Rated capacity	100 Ah
Rated energy	5.12 kWh
Nominal voltage	51.2 V
Mass of equipment	45.73± 0.2 kg
Dimension of equipment	442 mm * 490 mm * 154 mm
Standard charge method	
Charge current	50 A
End of charge voltage	56 Vdc
Standard discharge method	
Discharge current	50 A
End of discharge voltage	44.8 Vdc

Summary of testing	
Thermal runaway is contained by module design and no flaming was observed during test.	
Peak chemical heat release rate HRR (kW)	1.74 kW
Peak smoke release rate SRR (m ² /s)	3.4253 m ² /s
Total smoke release TSR (m ²)	396.74 m ²
Total Hydrocarbons (equivalent to C3H8, measured by FID)	305.8 L
Module weight loss	2.2 kg


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