

# Declaration of Conformance (DoC)

UN Manual of Tests and criteria sub-section UN38.3 and IEC 62281:2019  
– Safety of primary and secondary lithium cells and batteries during transport



## SECTION I-MANUFACTURER INFORMATION

### SEALED ENERGY SYSTEMS

72, HSIDC Industrial Area, Jagadhri Road,  
Ambala Cantt - 133 006 (Haryana), India  
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Rev.: 00

## SECTION II- PRODUCT INFORMATION

Model name: SE-2054-2  
Product classification: Lithium ion rechargeable Battery pack

Ref Models:	SE20542NR22	SE20542NR26	SE20542NR29	SE20542NR32	SE20542NR35
Nominal voltage:	14.4V	14.4V	14.4V	14.4V	14.4V
Rated capacity:	4400mAh	5100mAh	5700mAh	6400mAh	6800mAh
Nominal Energy:	63.36Wh	73.44Wh	82.08Wh	92.16Wh	197.92Wh
Weight of product:	427g	427g	427g	427g	427g

## SECTION III- CONFORMANCE INFORMATION

The product in section II complies with

**UN Manual of Test criteria ST/SG/AC.10.11/ Rev.6/Amend.1 Section 38.3, 6th Revision and IEC 62281:2019 – Safety of primary and secondary lithium cells and batteries during transport**

## SECTION IV- UN38.3 TEST SUMMARY

<b>Test Lab:</b>	<b>Nemko India (Test Lab) Pvt. Ltd.</b> Plot No. 2, DFL Ind. Estate-1, Sector-37, Faridabad-121003, Haryana Tel : +91-129 4905500, Email : india@nemko.com		
<b>Test Report No. &amp; Date:</b>	NI/1912010-1 dated 26.12.2020 and NI/1912010-2 dated 27.12.2020		
UN Clause No.	IEC Clause No.	Requirement & Test	Result
38.3.4.1	62281.6.4.1	<b>T-1</b> , Altitude simulation test > 11.6kPa	<b>Pass</b>
38.3.4.2	62281.6.4.2	<b>T-2</b> , Thermal Cycling, 72± 2°C to -40± 2°C	<b>Pass</b>
38.3.4.3	62281.6.4.3	<b>T-3</b> , Vibration, 7Hz and 200Hz in X,Y,Z positions	<b>Pass</b>
38.3.4.4	62281.6.4.4	<b>T-4</b> , Shock, 150g for 6ms & 50g for 11ms	<b>Pass</b>
38.3.4.5	62281.6.4.5	<b>T-5</b> , External Short-circuit	<b>Pass</b>
38.3.4.6	62281.6.4.6	<b>T-6</b> , Impact/crush	<b>Pass</b>
38.3.4.7	62281.6.5.1	<b>T-7</b> , Overcharge	<b>Pass</b>
38.3.4.8	62281.6.5.2	<b>T-8</b> , Forced Discharge	<b>Pass</b>
62281.6.6	62281.6.6.1	<b>P-1</b> , Packing test, Drop Test 1.2m	<b>Pass</b>
Pass Summary: No leakage, No Venting, No Short-Circuit, No Rupture, No Explosion, No Fire			

Signed:  
Authority: Approved by Authorized Signatory  
Date: 25<sup>th</sup> May, 2020