

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
Contact No.: +91-0171-2699054

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Rev.: 00

SECTION II- PRODUCT INFORMATION

Model name: SE-2054-1
Product classification: Lithium ion rechargeable Battery pack

Ref Models:	SE20541NR22	SE20541NR26	SE20541NR29	SE20541NR32	SE20541NR35
Nominal voltage:	14.4V	14.4V	14.4V	14.4V	14.4V
Rated capacity:	2200mAh	2550mAh	2850mAh	3200mAh	3400mAh
Nominal Energy:	31.68Wh	36.72Wh	41.04Wh	46.08Wh	148.96Wh
Weight of product:	225g	225g	225g	225g	225g

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

Test Lab:	Nemko India (Test Lab) Pvt. Ltd. Plot No. 2, DFL Ind. Estate-1, Sector-37, Faridabad-121003, Haryana Tel : +91-129 4905500, Email : india@nemko.com		
Test Report No. & Date:	NI/1912018-1 dated 03.01.2020 and NI/1912018-2 dated 03.01.2020		
UN Clause No.	IEC Clause No.	Requirement & Test	Result
38.3.4.1	62281.6.4.1	T-1 , Altitude simulation test > 11.6kPa	Pass
38.3.4.2	62281.6.4.2	T-2 , Thermal Cycling, 72± 2°C to -40± 2°C	Pass
38.3.4.3	62281.6.4.3	T-3 , Vibration, 7Hz and 200Hz in X,Y,Z positions	Pass
38.3.4.4	62281.6.4.4	T-4 , Shock, 150g for 6ms & 50g for 11ms	Pass
38.3.4.5	62281.6.4.5	T-5 , External Short-circuit	Pass
38.3.4.6	62281.6.4.6	T-6 , Impact/crush	Pass
38.3.4.7	62281.6.5.1	T-7 , Overcharge	Pass
38.3.4.8	62281.6.5.2	T-8 , Forced Discharge	Pass
62281.6.6	62281.6.6.1	P-1 , Packing test, Drop Test 1.2m	Pass
Pass Summary: No leakage, No Venting, No Short-Circuit, No Rupture, No Explosion, No Fire			

Signed:
Authority: Approved by Authorized Signatory
Date: 25th May, 2020