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

Date of Prepared: 25th May, 2020
Rev.: 00

SECTION II- PRODUCT INFORMATION

Model name: SE-3020

Product classification: Lithium ion rechargeable Battery pack

Ref Models:	SE30200NR22	SE30200NR26	SE30200NR28	SE30200NR32	SE30200NR35
Nominal voltage:	14.4V	14.4V	14.4V	14.4V	14.4V
Rated capacity:	6600mAh	7650mAh	8550mAh	9600mAh	10200mAh
Nominal Energy:	95.04Wh	74.88Wh	123.12Wh	138.24Wh	146.88Wh
Weight of product:	682g	682g	682g	682g	682g

SECTION III- CONFORMANCE INFORMATION

The product in section II complies with
UN Manual of Test criteria ST/SG/AC.10.11/ Rev.6/Amend.1Section 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/1912011-1 dated 26.12.2020 and NI/1912011-2 dated 27.12.2020	
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