

## Test Summary for Lithium Batteries

In accordance with sub-section 38.3 of UN manual of test and criteria

1. Name/Description of Battery	
Lithium Power Supply 12V/160Ah / LPS II 3000 (LPS II 3012)	

1a. Description of the Cells Inside the Battery	
LiFePO4	

2. Manufacturer of Battery	
Name	Clayton Power A/S
Address	Pakhusgaarden 42, 5000 Odense, Denmark
Phone	+4946985760
Email	<a href="mailto:info@claytonpower.com">info@claytonpower.com</a>
Website	<a href="http://www.claytonpower.com">www.claytonpower.com</a>

3. Testlaboratory	
Name	Clayton Power ApS
Address	Pakhusgaarden 42-48, 5000 Odense, Denmark
Phone	+4946985760
Email	<a href="mailto:info@claytonpower.com">info@claytonpower.com</a>
Website	<a href="http://www.claytonpower.com">www.claytonpower.com</a>

4. ID-Number and Date			
Unique test report ID-number	CP_2022_UN_3.2	Date of test report	2022-01-17

5. Battery Type and Parameter	
Batterie type	Lithium-Ionen
Mass in gram (g)	26.700
Watt-hours (Wh)	2.160

6. Physical Description of Battery	
Battery with 4 Lithium-Ion-cells and BMS in metal housing	

7. Model Number(s)
CL2103 / 1051001102

8. List of Tests Conducted and Results	
T1 – Altitude simulation	passed
T2 – Thermal test	passed
T3 – Vibration	passed
T4 – Shock	passed
T5 – External short circuit	passed
T6 – Crush (only cells)	passed
T7 – Overcharge	passed
T8 – Forced discharge (only cells)	passed

9. UN 38.3 Test Confirmation for the Cells Inside the Battery
This confirms that the cells inside the battery (see 1a.) have successfully passed the UN-38.3 test. For this in checkpoint 8 cell tests T6 and T8 are marked as „passed“.

10. Reference to Assembled Battery Testing Requirements
UN 38.3.3 (f)

11. Reference to the Revised Edition of the Manual of Test and Criteria Used and to Amendments thereto
Seventh revised edition, ST/SG/AC.10/11/Rev.7 - UN, 2019

Additional Supplier Information, Lithium-Ion Battery > 100 Wh	
12. Any battery incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage.	
13. Each battery is equipped with an effective means of preventing external short circuits.	
14. If our batteries are ordered to be shipped by airfreight the SOC is set to maximum 30 %.	

15. Place, Date	16. Name, Title	17. Signature
Busdorf, 2022-11-28	Christian Iglhaut, Dipl.- Ing. Product Manager	