



# Test Report

**Manufacturer:** Clayton Power

**Product:** LPS II

**Standard:** EN 62368-1:2014

**Report no:** B2021170

**Date and Signature:** 2021-12-07  
*Niels Højgaard*

**Bolls ApS**

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**TEST REPORT****EN/IEC 62368-1****Audio/video, information and communication technology equipment****Part 1: Safety requirements****Report Number.....: B2021170**

Date of issue.....: 2021-12-07

Total number of pages.....: 118

**Applicant's name.....: Clayton Power ApS**

Address.....: DK-5000 Odense, Pakhusgaarden 42-48

**Test specification:**

Standard.....: EN/IEC 62368-1:2014 (Second Edition)

Non-standard test method.....: N/A

**Test Report Form No.....: IEC62368\_1B**

Test Report Form(s) Originator.....: UL(US)

Master TRF.....: 2014-03

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Test Item description .....	Stationary, rechargeable lithium battery and power back-up With 12 Vdc in- and output, with 230 Vac in- and output, and with solar input. With integrated battery management system.	
Trade Mark .....	Clayton Power	
Manufacturer.....	Clayton Power ApS	
Model/Type reference .....	CL2001; CL2002; CL2003	
Ratings .....	100 Ah, 100 Ah and 160 Ah, with 1300 W, 1800 W and 2300 W AC output power respectively	
Testing procedure and testing location:		
<input type="checkbox"/>	Testing Laboratory:	Clayton Power under supervision of Bolts ApS
Testing location/ address .....		Pakhusgaarden 42-48 DK-5000 Odense Denmark
<input type="checkbox"/>	Associated Testing Laboratory:	
Testing location/ address.....		
Tested by (name + signature).....		
Approved by (name + signature).....		
<input type="checkbox"/>	Testing procedure: Elsewhere	
Testing location/ address.....		
Tested by (name + signature).....		
Approved by (name + signature).....		

<b>List of Attachments (including a total number of pages in each attachment):</b>	
Attachment 1: National differences	6 page
Attachment 2: Heat sink	1 page
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Attachment 4: MTC69220 transformer	1 page
Attachment 5: Energy sources	1 page
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Attachment 7: Temperature tests	2 pages
Attachment 8: Fault condition tests of internal components	9 pages
Attachment 9: Intentionally Weak Point	1 page
Attachment 10: Power board lay-out	1 page
Attachment 11: AC EMC board lay-out	1 page
<b>Summary of testing:</b>	
<b>Tests performed (name of test and test clause):</b> EN 62368-1 UN38.3	<b>Testing location:</b> Clayton Power, under supervision of Bolts Except for high voltage test performed at Bolts
<b>Summary of compliance with National Differences:</b> <b>List of countries addressed</b> According to EN 62368:2014  The product fulfils the requirements of IEC 62368-1:2014 and EN 62368-1:2014	