



Test Report issued under the responsibility of:



**TEST REPORT
IEC 62619**

Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries, for use in industrial applications

Report Number.....: CN23EPWY 001
Date of issue.....: 2024-01-22
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Name of Testing Laboratory preparing the Report.....: TÜV Rheinland (Shenzhen) Co., Ltd.

Applicant's name: Zhongrui Green Energy Technology (Shenzhen) Co.,Ltd
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Baolong 4th Rd., Longgang Dist., Shenzhen, Guangdong, P.R. China

Test specification:

Standard.....: IEC 62619:2022
Test procedure: CB Scheme
Non-standard test method: N/A

TRF template used: IECEE OD-2020-F1:2022, Ed.1.5
Test Report Form No.: IEC62619B
Test Report Form(s) Originator: UL Solutions (Demko)
Master TRF.....: Dated 2023-02-24

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Test item description	Rechargeable Li-ion Battery System (Power Base Mate HV Series)
Trademark(s)	
Manufacturer	Same as applicant
Model/Type reference	ZR-PBMH-05, ZR-PBMH-10, ZR-PBMH-15, ZR-PBMH-20, ZR-PBMH-25, ZR-PBMH-30
Ratings	ZR-PBMH-05: 96V, 50Ah, 4.8kWh ZR-PBMH-10: 192V, 50Ah, 9.6kWh ZR-PBMH-15: 288V, 50Ah, 14.4kWh ZR-PBMH-20: 384V, 50Ah, 19.2kWh ZR-PBMH-25: 480V, 50Ah, 24.0kWh ZR-PBMH-30: 576V, 50Ah, 28.8kWh

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):

<input checked="" type="checkbox"/>	CB Testing Laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd
Testing location/ address		1F East & 3F West -4F, Cybio Technology Building No.1, No.16 Kejibei 2nd Road, High-Tech Industrial Park North Nanshan District, 518057, Shenzhen, China
Tested by (name, function, signature)		Allen Chen / Project engineer 
Approved by (name, function, signature) ...		Stephen Huang / Reviewer 

<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
Testing location/ address		
Tested by (name, function, signature)		
Approved by (name, function, signature) ...		

<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
Testing location/ address		
Tested by (name + signature)		
Witnessed by (name, function, signature) ..:		
Approved by (name, function, signature) ...		

<input type="checkbox"/>	Testing procedure: CTF Stage 3:	
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	
Testing location/ address		
Tested by (name, function, signature)		
Witnessed by (name, function, signature) ..:		

Approved by (name, function, signature)...:		
Supervised by (name, function, signature) :		