

## Test Report

No.: SHAEC24011320401

Date: Aug 19, 2024

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Client Name: Renac Power Technology Co., Ltd.

Client Address: Block C-12, No. 20 Datong Road, Comprehensive Bonded Zone, Suzhou Hi-Tech District, Suzhou, China

Sample Name: Outdoor C&I Battery System

Model No.: BS100-E

Client Ref. Information: BS100-E, BS90-E, BS80-E

Sample Type: Industrial battery battery

The above sample(s) and information were provided by the client.

SGS Job No.: SHP24-003404

Sample Receiving Date: May 29, 2024

Testing Period: May 29, 2024 ~ Jun 18, 2024

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
Annex I of Regulation (EU) 2023/1542– Heavy Metals Content in batteries and waste batteries	Pass

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Tom Ni

Tom Ni  
Approved Signatory

scan to see the report



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Testing Center-Chemical Laboratory

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**Test Result(s):**

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A	SHA24-0113204-0001	Outdoor C&I Battery System

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) “-“ = Not Regulated

**Annex I of Regulation (EU) 2023/1542– Heavy Metals Content in batteries and waste batteries**

**Test Method:** SGS In House Method, analysis was performed by ICP-OES or AAS or Hg-analyzer.

Test Item(s)	Limit	Unit(s)	MDL	A
Lead(Pb)	-	%	0.0010	ND
Cadmium(Cd)	-	%	0.0010	ND
Mercury(Hg)	0.0005	%	0.0001	ND
<b>Conclusion</b>				<b>Pass</b>

**Notes:**

- (1) Restriction on substances

Column 1 Designation of the substance or group of substances	Column 2 Conditions of restriction
1. Mercury CAS No 7439-97-6 EC No 231-106-7 and its compounds	Batteries, whether or not incorporated into appliances, light means of transport or other vehicles, shall not contain more than 0,0005 % of mercury (expressed as mercury metal) by weight
2. Cadmium CAS No 7440-43-9 EC No 231-152-8 and its compounds	Portable batteries, whether or not incorporated into appliances, light means of transport or other vehicles, shall not contain more than 0,002 % of cadmium (expressed as cadmium metal) by weight
3. Lead CAS No 7439-92-1 EC No 231-100-4 and its compounds	1. From 18 August 2024, portable batteries, whether or not incorporated into appliances, shall not contain more than 0,01 % of lead (expressed as lead metal) by weight. 2. The restriction set out in point 1 shall not apply to portable zinc-air button cells until 18 August 2028.

(2) According to the EU New Battery Regulation (EU) 2023/1542, non portable batteries containing more than 0,002 % cadmium or more than 0,004 % lead, shall be marked with the chemical symbol for the metal concerned: Cd or Pb.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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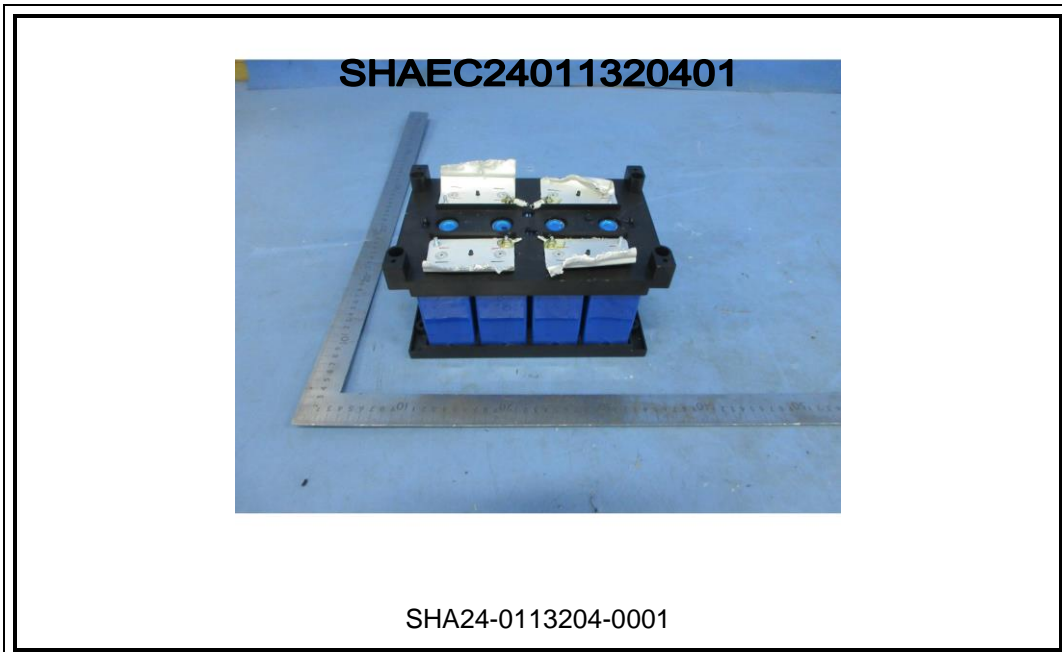
## Test Report

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### Sample Photo:



SGS authenticate the photo on original report only  
 \*\*\* End of Report \*\*\*



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