



TEST REPORT IEC 60086-1 & IEC 60086-2 Primary Battery - Part 1: General Primary Battery - Part 2: Physical and electrical specifications	
Report Number..... :	SHES260500859301
Date of issue..... :	2026-05-20
Total number of pages	23
Name of Testing Laboratory preparing the Report	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd
Applicant's name	Suzhou Xinlvzhou Electronics Co., Ltd.
Address..... :	No.158 Shanji Road, Xiangcheng District, Suzhou, Jiangsu, China
Test specification:	
Standard	IEC 60086-1:2021 in conjunction with IEC 60086-2:2021
Test procedure	SGS-CSTC
Non-standard test method	N/A
Test Report Form No. :	EEC_IEC60086_1&2B
Test Report Form(s) Originator :	SGS-CSTC
Master TRF	2022-01-06

Test item description	Lithium Battery
Trade Mark	warriors
Manufacturer	Same as applicant
Model/Type reference	CR2025
Ratings	3,0 V
Designation.....	d) Category 4 batteries PR70 ☐ PR41 ☐ PR48 ☐ PR44 ☐ LR41 ☐ LR55 ☐ LR54 ☐ LR43 ☐ LR44 ☐ SR62 ☐ SR63 ☐ SR65 ☐ SR64 ☐ SR60 ☐ SR67 ☐ SR66 ☐ SR58 ☐ SR68 ☐ SR59 ☐ SR69 ☐ SR41 ☐ SR57 ☐ SR55 ☐ SR48 ☐ SR54 ☐ SR42 ☐ SR43 ☐ SR44 ☐ CR1025 ☐ CR1216 ☐ CR1220 ☐ CR1616 ☐ CR2012 ☐ CR1620 ☐ CR2016 ☐ CR2025 ☒ CR2320 ☐ CR2032 ☐ CR2330 ☐ CR2430 ☐ CR2354 ☐ CR3032 ☐ CR2450 ☐ BR1225 ☐ BR2016 ☐ BR2320 ☐ BR2325 ☐ BR3032 ☐

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
☒	Testing Laboratory:	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing location/ address.....:		588 West Jindu Road, Xinqiao Songjiang, 201612 Shanghai, China
Tested by (name, function, signature)		Junhao Lu JJ Yang / Project Engineer <i>Junhao Lu JJ Yang</i>
Approved by (name, function, signature)....:		Bruce Wu / Reviewer <i>Bruce Wu</i>
☐	Testing procedure: CTF Stage 1:	N/A
Testing location/ address		
Tested by (name, function, signature)		
Approved by (name, function, signature)....:		
☐	Testing procedure: CTF Stage 2:	N/A
Testing location/ address.....:		
Tested by (name + signature)		
Witnessed by (name, function, signature) ..:		
Approved by (name, function, signature)....:		
☐	Testing procedure: CTF Stage 3:	N/A
☐	Testing procedure: CTF Stage 4:	N/A
Testing location/ address.....:		
Tested by (name, function, signature)		
Witnessed by (name, function, signature) ..:		
Approved by (name, function, signature)....:		
Supervised by (name, function, signature) :		

List of Attachments (including a total number of pages in each attachment): Attachment 1: 1 page of Photos	
Summary of testing: None	
Tests performed (name of test and test clause): Specific requirements and tests (lithium systems) ☒ 4 Requirements ☒ 5 Performance – Testing ☒ 6 Performance – Test conditions ☒ 7 Sampling and quality assurance ☒ 8 Battery packaging ☒ 8.4.6 Category 4 – Specifications: CR1025, CR1216, CR1220, CR1225, CR1616, CR2012, CR1620, CR1632, CR2016, CR2025, CR2320, CR2032, CR2330, CR2430, CR2354, CR3032, CR2450, CR2477, BR1225, BR2016, BR2320, BR2325, BR3032	Testing location: SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. 588 West Jindu Road, Xinqiao Songjiang, 201612 Shanghai, China
Summary of compliance with National Differences (List of countries addressed): None ☒ The product fulfils the requirements of EN IEC 60086-1:2021 & EN IEC 60086-2:2021	

Copy of marking plate:



Test item particulars:	
Classification of installation and use: --	
Supply Connection: --	
.....:	
Possible test case verdicts:	
- test case does not apply to the test object.....: N/A	
- test object does meet the requirement.....: P (Pass)	
- test object does not meet the requirement.....: F (Fail)	
Testing:	
Date of receipt of test item: 2026-05-14	
Date (s) of performance of tests: Original: 2022-03-24 to 2022-06-10	
General remarks:	
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.	
Throughout this report a ☒ comma / ☐ point is used as the decimal separator.	
Manufacturer's Declaration:	
The application for obtaining a Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided	☐ Yes ☒ Not applicable
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies): Same as applicant	

General product information:

Product description:	Lithium Battery
Model:	CR2025
Rated voltage:	3,0 V
Rated capacity	150 mAh
Abnormal charge current:	15 mA
Max. continuous discharge current:	300 mA

Note:

The original Test Report No. SHES220300527402, dated 2024-03-18, was modified on 2026-05-15 to include the following changes:

1. Updated the issue date.

After comparison, no test was considered necessary.

Test report No. SHES220300527402, dated 2024-03-18 is not valid and replaced by Test Report Ref. No. SHES260500859301, dated 2026-05-15.

IEC 60086-1			
Clause	Requirement + Test	Result - Remark	Verdict

4	REQUIREMENTS		P
4.1	General		P
4.1.1	Design		P
	Additionally, information on equipment design can be found in Annex B		N/A
4.1.2	Battery dimensions		P
	The dimensions for individual types of batteries are given in IEC 60086-2 and IEC 60086-3	CR2025	P
4.1.3	Terminals		P
4.1.3.1	General		P
	Terminals are in accordance with Clause 6 of IEC 60086-2		P
	Their physical shape is designed in such a way that they ensure that the batteries make and maintain good electrical contact at all times		P
	They are made of materials that provide adequate electrical conductivity and corrosion protection		P
4.1.3.2	Contact pressure resistance		P
	Where stated in the battery specification tables or the individual specification sheets in IEC 60086-2, the following applies		P
	A force of 10 N applied through a steel ball of 1 mm diameter at the centre of each contact area for a period of 10 s does not cause any apparent deformation which might prevent satisfactory operation of the battery		P
4.1.3.3	Cap and base		N/A
	This type of terminal is used for batteries which have their dimensions specified according to Figures 1 and 7 of IEC 60086-2 and which have the cylindrical side of the battery insulated from the terminals		N/A
4.1.3.4	Cap and case		P
	This type of terminal is used for batteries which have their dimensions specified according to Figures 8, 9, 10, 14, 15 and 16 of IEC 60086-2, but in which the cylindrical side of the battery forms part of the positive terminal		P
4.1.3.5	Screw terminals		N/A
	This contact consists of a threaded rod in combination with either a metal or insulated metal nut		N/A
4.1.3.6	Flat contacts		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

	These are essentially flat metal surfaces adapted to make electrical contact by suitable contact mechanisms bearing against them		N/A
4.1.3.7	Flat or spiral springs		N/A
	These contacts comprise flat metal strips or spirally wound wires which are in a form that provides pressure contact		N/A
4.1.3.8	Plug-in-sockets		N/A
	These are made up of a suitable assembly of metal contacts, mounted in an insulated housing or holding device and adapted to receive corresponding pins of a mating plug		N/A
4.1.3.9	Snap fasteners		N/A
4.1.3.9.1	General		N/A
	These contacts are composed of a combination comprising a stud (non-resilient) for the positive terminal and a socket (resilient) for the negative terminal		N/A
	They are suitable metal so as to provide efficient electrical connection when joined to the corresponding parts of an external circuit		N/A
4.1.3.9.2	Snap fastener		N/A
	This type of terminal consists of a stud for the positive terminal and a socket for the negative terminal. These are made from nickel plated steel or other suitable material		N/A
	They are designed to provide a secure physical and electrical connection, when fitted with similar corresponding parts for connection to an electrical circuit		N/A
4.1.3.10	Wire		N/A
	Wire leads are single or multi-strand flexible insulated tinned copper		N/A
	The positive terminal wire covering is red and the negative black		N/A
4.1.3.11	Other spring contacts or clips		N/A
	These contacts are generally used on batteries when the corresponding parts of the external circuit are not precisely known		N/A
	They are made of spring brass or of other material having similar properties		N/A
4.1.4	Classification (electrochemical system)		P

IEC 60086-1			
Clause	Requirement + Test	Result - Remark	Verdict

	Primary batteries are classified according to their electrochemical system		P
	Each system, with the exception of the zinc-ammonium chloride, zinc chloride-manganese dioxide system, has been allocated a letter denoting the particular system	Alkaline	P
	The electrochemical systems that have been standardized up to now are given in Table 1		P
4.1.5	Designation		P
	The designation of primary batteries is based on their physical parameters, their electrochemical system as well as modifiers, if needed		P
	A comprehensive explanation of the designation system (nomenclature) can be found in Annex C	CR2025	P
4.1.6	Marking		Not checked
4.1.6.1	General		Not checked
	With the exception of small batteries too small to mark with all items (see 4.1.6.2), each battery is marked with the following information		Not checked
	a) designation, IEC or common		Not checked
	b) expiration of a recommended usage period or year and month or week of manufacture		Not checked
	The year and month or week of manufacture may be in code		Not checked
	c) polarity of the positive (+) terminal		Not checked
	d) nominal voltage		Not checked
	e) name or trade mark of the manufacturer or supplier		Not checked
	f) cautionary advice		Not checked
4.1.6.2	Marking of smaller batteries		Not checked
	a) Some batteries, mainly category 3 and category 4 batteries have a surface too small to accommodate all markings shown in 4.1.6.1		Not checked
	For these batteries the designation 4.1.6.1a) and the polarity 4.1.6.1c) are marked on the battery		Not checked

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Clause	Requirement + Test	Result - Remark	Verdict

	All other markings shown in 4.1.6.1 are given on the immediate packing instead of on the battery		Not checked
	b) For P-system batteries		Not checked
	4.1.6.1a) are on the battery, the sealing tab or the package		Not checked
	4.1.6.1c) are marked on the sealing tab and/or on the battery		Not checked
	4.1.6.1b), 4.1.6.1d) and 4.1.6.1e) are given on the immediate packing instead of on the battery		Not checked
	The nominal voltage is marked either 1,4 V or 1,45 V		Not checked
	c) Caution for ingestion of swallowable batteries are given.....		Not checked
4.1.6.3	Marking of batteries regarding method of disposal		Not checked
	Marking of batteries with respect to the method of disposal is in accordance with local legal requirements		Not checked
4.1.7	Interchangeability: battery voltage		N/A
	Voltage range 1, $U_r = 1,4$ V: Batteries having a standard discharge voltage $m \times U_s$ equal to or within the range of $n \times 1,19$ V to $n \times 1,61$ V		N/A
	Voltage range 2, $U_r = 3,2$ V: Batteries having a standard discharge voltage $m \times U_s$ equal to or within the range of $n \times 2,72$ V to $n \times 3,68$ V		N/A
4.2	Performance		P
4.2.1	Discharge performance	See Table 2	P
	Discharge performance of primary batteries is specified in IEC 60086-2	Only performed initial discharge performance	P
4.2.2	Dimensional stability		P
	The dimensions of batteries are conform with the relevant specified dimensions as given in IEC 60086-2 and IEC 60086-3 at all times during discharge testing under the standard conditions	No deformation.	P
4.2.3	Leakage		P
	When batteries are stored and discharged under the standard conditions given in this specification, no leakage occur	No leakage	P
4.2.4	Open-circuit voltage limits	See Table 1	P
	The maximum open-circuit voltage of batteries does not exceed the values given in Table 1		P

IEC 60086-1			
Clause	Requirement + Test	Result - Remark	Verdict

4.2.5	Service output		P
	Discharge durations, initial and delayed, of batteries are meet the requirements given in IEC 60086-2	Only performed initial discharge performance	P
4.2.6	Safety		--
	When designing primary batteries, safety under conditions of intended use and foreseeable mis-use as prescribed in IEC 60086-4 and IEC 60086-5 are considered		--
4.2.7	Validity of testing		--
	Portable primary batteries are subjected to the tests, as required in the 60086 series. Test results remain valid until a design change or requirement revision has been made		--
5	PERFORMANCE – TESTING		P
5.1	Capacity testing versus application and service output testing		N/A
	For the preparation of standard methods of measuring performance (SMMP) of consumer goods, refer to Annex E		N/A
	A capacity of a primary battery is established by electrical discharge tests as detailed in D.2.3		N/A
	However, under consumer usage conditions, the capacities realised from electrical discharge test methods can vary		N/A
	The following factors/variables dramatically impact on optimum capacity realisation		N/A
	a) The current demand from the external electrical circuit/device		N/A
	b) The frequency of current demand		N/A
	c) The minimum voltage at which the device will satisfactorily operate		N/A
	d) The temperature of operation		N/A
5.2	Discharge testing		N/A
5.2.1	General		N/A
	The discharge tests in this standard fall into two categories		N/A
	– application tests		N/A
	– service output tests		N/A
5.2.2	Application tests		N/A
5.2.2.1	General		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

	Application tests are accelerated by discharge load, daily period duty cycle, or both. The specified values for load and time intermittency are take the following factors into consideration		N/A
	– discharge efficiency of the battery relative to the application		N/A
	– typical duty cycle use patterns for the application		N/A
	– total time to conduct the test typically not to exceed 30 days		N/A
5.2.2.2	Application tests with multiple loads		N/A
	For application test with multiple loads, the load order during a cycle starts with the heaviest load and move to the lightest load unless otherwise specified		N/A
5.2.3	Service output tests		N/A
	For service output tests, the value of the load resistor are selected such that the service output approximates 30 days		N/A
5.3	Conformance check to a specified minimum average duration	See Table 2	P
	In order to check the conformance of a battery to any discharge tests specified in IEC 60086-2 and 60086-3, the test is carried out		P
5.4	Guidance for considering proposed value of minimum average duration		P
5.5	OCV testing	See Table 1	P
	Open-circuit voltage is measured with the voltage measuring equipment specified in 6.8.1		P
5.6	Insulation resistance		N/A
	For batteries with insulating labels, cases or jackets, the resistance between externally exposed surfaces of the battery and either terminal is equal to or greater than 5 MΩ		N/A
5.7	Battery dimensions		P
	Dimensions are measured with the measuring equipment specified in 6.8.2		P
5.8	Leakage and deformation	See Table 3	P
	After the service output has been determined under the specified environmental conditions, the discharge is continued in the same way until the closed circuit voltage drops for the first time below 40 % of the nominal voltage of the battery		P
	The requirements of 4.1.3, 4.2.2 and 4.2.3 are met		P

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Clause	Requirement + Test	Result - Remark	Verdict

6	PERFORMANCE – TEST CONDITIONS		P
6.1	Storage and discharge conditions		P
	Storage before discharge testing and the actual discharge test are carried out under well-defined conditions. Unless otherwise specified, the conditions given in Table 3 are apply :	20°C 55%	P
6.2	Commencement of discharge tests after storage		N/A
	The period between the completion of storage and the start of a delayed discharge test is not exceed 14 days		N/A
	During this period the batteries are kept at $(20 \pm 2) ^\circ\text{C}$ and $(55 \pm 20 / -40) \% \text{ RH}$ (except for P-system batteries where the relative humidity is $(55 \pm 10) \% \text{ RH}$)		N/A
	At least one day in these conditions is allowed for normalization before starting a discharge test after storage at high temperature		N/A
6.3	Discharge test conditions		P
6.3.1	General		P
	In order to test a battery it is discharged as specified in IEC 60086-2 or IEC 60086-3 until the voltage on load drops for the first time below the specified end-point		P
6.3.2	Compliance		P
	When IEC 60086-2 or IEC 60086-3 specify service outputs for more than one discharge test, batteries are meet all of these requirements in order to comply with this specification		P
6.4	Load resistance		P
	When formulating new tests, the resistive load is, whenever possible, be as shown in Table 4 together with their decimal multiples or sub-multiples		N/A
6.5	Time periods		P
	The periods on-discharge and off-discharge are as specified in IEC 60086-2		P
	When formulating new tests, whenever possible, one of the following daily periods is adopted from Table 5		N/A
	Other cases are specified in IEC 60086-2, if necessary		P
6.6	Test condition tolerances		P
	Unless otherwise specified, the tolerances given in Table 6 are apply		P

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Clause	Requirement + Test	Result - Remark	Verdict

6.7	Activation of 'P'-system batteries		N/A
	A period of at least 10 min is elapse between activation and the commencement of electrical measurement		N/A
6.8	Measuring equipment		P
6.8.1	Voltage measurement		P
6.8.2	Mechanical measurement		P
7	SAMPLING AND QUALITY ASSURANCE		N/A
	The use of production and incoming inspection sampling plans or product quality indices are agreed between the manufacturer and the purchaser		N/A
8	BATTERY PACKAGING		P
	A code of practice for battery packaging, shipment, storage, use and disposal can be found in Annex G		P
A	ANNEX A (NORMATIVE) CRITERIA FOR THE STANDARDIZATION OF BATTERIES		N/A
	Batteries and electrochemical systems are meet the following requirements to justify their initial inclusion or ongoing retention in the IEC 60086 series		N/A
	a) The battery or batteries of this electrochemical system are in mass production		N/A
	b) The battery or batteries of this electrochemical system are available in several market places of the world		N/A
	c) Patent items are conform to the requirements contained in 2.14 of the ISO/IEC Directives, Part 1		N/A
	d) The battery is produced in at least two different countries or, alternatively, if produced in only one country, the battery is purchased by other international and independent battery manufacturers and sold under their company label		N/A
B	ANNEX B (INFORMATIVE) RECOMMENDATIONS FOR EQUIPMENT DESIGN		N/A
B.1	Technical liaison		N/A
	It is recommended that companies producing battery-powered equipment maintain close liaison with the battery industry. The capabilities of existing batteries are taken into account at design inception. Whenever possible, the battery type selected are one included in IEC 60086-2		N/A

IEC 60086-1			
Clause	Requirement + Test	Result - Remark	Verdict

	The equipment is permanently marked with the IEC designation, grade and size of battery which give optimum performance		N/A
B.2	Battery compartment		N/A
B.2.1	General		N/A
	The dimensions and design of compartments and contacts are such that batteries complying with this standard are accepted		N/A
	The design of the negative contact are make allowance for any recess of the battery terminal		N/A
	Clearly indicate the type of battery to use, the correct polarity alignment and directions for insertion		N/A
	Use the shape and/or the dimensions of the positive (+) and negative (–) battery terminals in compartment designs to prevent the reverse connection of batteries		N/A
	Positive (+) and negative (–) battery contacts are visibly different in form to avoid confusion when inserting batteries		N/A
	Battery compartments are electrically insulated from the electric circuit and positioned so as to minimize possible damage and/or risk of injury		N/A
	Battery compartments with parallel connections are not recommended since a wrongly placed battery result in charging conditions		N/A
	Equipment designed to be powered by air-depolarized batteries of either the "A" or "P" system are provide for adequate air access		N/A
	When the battery compartment cannot be completely isolated from the equipment, it are positioned so as to minimize possible damage		N/A
	The battery compartment are clearly and permanently marked to show the correct orientation of the batteries		N/A
	Battery compartments are designed so that a reversed battery will result in no electrical circuit		N/A
	The associated circuitry do not make physical contact with any part of the battery except at the surfaces intended for this purpose		N/A
	Designers are strongly advised to refer to IEC 60086-4 and IEC 60086-5 for comprehensive safety considerations		N/A
B.2.2	Limiting access by children		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

	Apparatus are designed to prevent children from removing the battery		N/A
B.3	Voltage cut-off		N/A
	The equipment voltage cut-off is not below the battery manufacturers' recommendation		N/A
C	ANNEX C (NORMATIVE) DESIGNATION SYSTEM (NOMENCLATURE)		N/A
C.1	General		N/A
C.2	Designation system in use up to October 1990		N/A
C.2.1	General		N/A
C.2.2	Cells		N/A
C.2.3	Electrochemical system		N/A
C.2.4	Batteries		N/A
C.2.5	Modifiers		N/A
C.2.6	Examples		N/A
C.3	Designation system in use since October 1990		N/A
C.3.1	General		N/A
C.3.2	Round batteries		N/A
C.3.3	Non-round batteries		N/A
C.3.4	Ambiguity		N/A
D	ANNEX D (INFORMATIVE) STANDARD DISCHARGE VOLTAGE US – DEFINITION AND METHOD OF DETERMINATION		N/A
D.1	Definition		N/A
D.2	Determination		N/A
D.2.1	General considerations: the C/R-plot		N/A
D.2.2	Determination of the standard discharge resistor Rs		N/A
D.2.3	Determination of the standard discharge capacity Cs and standard discharge time ts		N/A
D.3	Experimental conditions to be observed and test results		N/A
E	ANNEX E (INFORMATIVE) PREPARATION OF STANDARD METHODS OF MEASURING PERFORMANCE (SMMP) OF CONSUMER GOODS		N/A
E.1	General		N/A
E.2	Performance characteristics		N/A
E.3	Criteria for the development of test methods		N/A

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F	ANNEX F (INFORMATIVE) GUIDANCE FOR PROPOSING VALUE OF MINIMUM AVERAGE DURATION		N/A
F.1	General		N/A
F.2	Sampling		N/A
F.3	Calculation method		N/A
G	ANNEX G (NORMATIVE) CODE OF PRACTICE FOR PACKAGING, SHIPMENT, STORAGE, USE AND DISPOSAL OF PRIMARY BATTERIES		N/A
G.1	General		N/A
G.2	Packaging		N/A
G.3	Transport and handling		N/A
G.4	Storage and stock rotation		N/A
G.5	Displays at sales points		N/A
G.6	Selection, use and disposal		N/A
G.6.1	Purchase		N/A
G.6.2	Installation		N/A
G.6.3	Use		N/A
G.6.4	Replacement		N/A
G.6.5	Disposal		N/A
H	ANNEX H (INFORMATIVE) COMPLIANCE CHECKLIST		N/A

IEC 60086-2			
Clause	Requirement + Test	Result - Remark	Verdict

7	CONSTITUTION OF THE BATTERY SPECIFICATION TABLES		P
	Batteries are categorized into the following groups:		P
	a) Category 1: R1, R03, R6P, R6S, R14P, R14S, R20P, R20S LR8D425, LR1, LR03, LR6, LR14, LR20, FR10G445, FR14505		N/A
	b) Category 2: CR14250, CR15H270, CR17345, CR17450, BR17335		N/A
	c) Category 3: LR9, CR11108		N/A
	d) Category 4: PR70, PR41, PR48, PR44, PR1154 LR41, LR55, LR54, LR43, LR44 SR62, SR63, SR65, SR64, SR60, SR67, SR66, SR58, SR68, SR59, SR69, SR41, SR57, SR55, SR48, SR54, SR42, SR43, SR44 CR1025, CR1216, CR1220, CR1225, CR1616, CR1632, CR2012, CR1620, CR2016, CR2025, CR2320, CR2032, CR2330, CR2412, CR2430, CR2477, CR2354, CR3032, CR2450 BR1225, BR2016, BR2320, BR2325, BR3032	CR2025	P
	e) Category 5: Other round batteries – Miscellaneous 2CR13252 4LR44 4SR44 8LR932 AR40 5AR40 6AR40 5PR175/172,6 PR 225/155		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

	f) Category 6: Non-round batteries – Miscellaneous: 3R12P, 3R12S, 3LR12 4LR61 CR-P2 2CR5 AS4, AS6P, AS6S, AS8, AS10, AS12, PS8S, PS8P, PS10 4R25X, 4LR25X 4R25Y 4R25-2, 4LR25-2 6F22, 6LR61, 6LP3146 6AS4S, 6PS4S, 6PS4P 6AS6P, 6AS6S, 6PS6P, 6PS6S		N/A
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8	PHYSICAL AND ELECTRICAL SPECIFICATIONS		P
8.1	Category 1 batteries		N/A
8.1.1	General		N/A
8.1.2	Specifications: LR1, R1, LR8D425		N/A
8.1.3	Specifications: LR03, FR10G445, R03		N/A
8.1.4	Specifications: LR6, FR14505, R6P, R6S		N/A
8.1.5	Specifications: LR14, R14P, R14S		N/A
8.1.6	Specifications: LR20, R20P, R20S		N/A
8.2	Category 2 batteries		N/A
	Specifications: CR14250, CR15H270, CR17345, CR17450, BR17335		N/A
8.3	Category 3 batteries		N/A
	Specifications: LR9, CR11108		N/A
8.4	Category 4 batteries		P
8.4.1	General		N/A
8.4.2	Specifications: PR70, PR41, PR48, PR44, PR1154 :		N/A
8.4.3	Fit acceptance gauge for PR batteries		N/A
8.4.4	Specifications: LR41, LR55, LR54, LR43, LR44 :		N/A
8.4.5	Specifications: SR62, SR63, SR65, SR64, SR60, SR67, SR66, SR58, SR68, SR59, SR69, SR41, SR57, SR55, SR48, SR54, SR42, SR43, SR44		N/A

IEC 60086-2			
Clause	Requirement + Test	Result - Remark	Verdict

8.4.6	Specifications: CR1025, CR1216, CR1220, CR1225, CR1616, CR2012, CR1620, CR1632, CR2016, CR2025, CR2320, CR2032, CR2330, CR2430, CR2354, CR3032, CR2450, CR2477, BR1225, BR2016, BR2320, BR2325, BR3032	CR2025	P
8.5	Category 5 batteries		N/A
8.5.1	Specifications: 2CR13252, 4LR44, 4SR44..... :		N/A
8.5.2	Specifications: 8LR932		N/A
8.5.3	Specifications: AR40, 5AR40, 6AR40, 5PR175/172, 6PR225/155		N/A
8.6	Category 6 batteries		N/A
8.6.1	Specifications: 4LR61		N/A
8.6.2	Specifications: CR-P2..... :		N/A
8.6.3	Specifications: 2CR5		N/A
8.6.4	Specifications: 3R12P, 3R12S, 3LR12		N/A
8.6.5	Specifications: AS4, AS6, AS8, AS10, AS12, PS8S, PS8P, PS10		N/A
8.6.6	Specifications: 4R25Y		N/A
8.6.7	Specifications: 4R25X, 4LR25X		N/A
8.6.8	Specifications: 4R25-2, 4LR25-2		N/A
8.6.9	Specifications: 6AS4S, 6PS4S, 6PS4P		N/A
8.6.10	Specifications: 6F22, 6LR61, 6LP3146		N/A
8.6.11	Configurations: Stud for 6F22, 6LR61, 6LP3146 ... :		N/A
8.6.12	Specifications: 6AS6P, 6AS6S, 6PS6P, 6PS6S		N/A

TABLE 1: Dimension and Open –circuit voltage (OCV)						P
Test program		Standard requirement	Unit	Sample size	Measured data	Results
Battery dimensions	Height	2,2~2,5	mm	8 pcs	2,34~2,38	Pass
	Diameter	19,7~20,0	mm	8 pcs	19,87~19,93	Pass
Open-circuit voltage	OCV	3,0~3,7	V	8 pcs	3,385~3,409	Pass
Supplementary information: None						

TABLE 2: Minimum average duration (MAD)						P
Test program	Standard requirement	Unit	Sample size	Measured data	Average	Result
15kΩ, 24h/d, EV: 2,0V	≥540	hour	8 pcs	734,70; 809,38; 766,60; 754,76; 780,28; 784,99; 564,27; 834,44	753,68	Pass
10mA, 5s on, 55s off 24h per day, EV: 1,8V	≥8,5	hour	8 pcs	8,25; 11,02; 11,06; 10,74; 8,23; 12,70; 8,93; 11,10	10,25	Pass

TABLE 3: Leakage and dimension				P
Test program	Standard requirement	Sample size	Result	
15kΩ, 24h/d, EV: 1,2V	no leakage no deformation	8 pcs	Pass	
10mA, 5s on, 55s off 24h per day, EV: 1,2V	no leakage no deformation	8 pcs	Pass	

Attachment 1: Photos



---End report---