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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 19639.2-2014

Replacing GB/T 19639.2-2007

**Product classification of small-sized valve-regulated lead-acid
batteries**

固定型阀控式铅酸蓄电池 第2部分：产品品种和规格

(English Translation)

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Foreword

GB/T 19639 "General VRLAB" is divided into two parts.

--- Part 1. Technical conditions;

--- Part 2. Specifications Model.

This section GB/T 19639 Part 2.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 19639.2-2007 "Small VRLA battery products classification." this section compared with the GB/T 19639.2-2007, mainly in the following changes.

--- Standard name changed to "Universal VRLAB Part 2. Specifications Model";

Content --- increase the scope of the standard does not apply (see Chapter 1);

--- Add content "Normative references" (see Chapter 2);

--- Modify the common VRLAB of "model establishment" (see Chapter 3, Chapter 3, 2007 edition);

--- Modify the common VRLA batteries' terminals "type of diagram (see Chapter 5, Chapter 5, 2007 edition);

--- Added generic VRLAB of "button-type terminal" type graph (see Chapter 5).

This section uses redrafted law revision using IEC 61056-2:2012 "common lead-acid battery (VRLA) - Part 2. Dimensions, Terminals and marking. " this part of IEC 61056-2:2012 compared to the technical differences and the reasons are as follows.

--- IEC 61056-2:2012 provides for a total of seven kinds of battery terminals, 38 kinds of battery sizes; This standard uses seven kinds of battery terminals (Which is equivalent to using seven kinds), 38 kinds of battery sizes (which is equivalent to using 15 species modify the use of 23 kinds).

This part is proposed by the China Electrical Equipment Industrial Association.

The lead-acid batteries in part by the National Standardization Technical Committee (SAC/TC69) centralized.

This part mainly drafted by. AMD Power Co., Ltd., Jiangsu Leoch Battery Co., Ltd., Jiangsu Wah Fu limited storage technology shares the company, the Shenyang Institute of batteries, battery Soviet Union in Jiangsu Science and Technology Development Co., Ltd., Fujian Province, China Fujian Power Company Limited, Fujian Yaheng move Science and Technology Group Co., Ltd.

1 Scope

This section GB/T 19639 specifies the general VRLA (hereinafter referred to as battery) models preparation, structure and appearance Size, the terminal position.

This section applies to emergency lighting equipment, uninterruptible power supplies, mobile measurement equipment, rated capacity of 65Ah (including 65Ah) or less A variety of DC power supply batteries. Such single cell lead-acid battery, the electrode plate may be mounted in the rectangular slot, it can be wound Electrodes mounted in the cylinder. Sulfuric acid electrolyte in the battery is not flowing between the electrodes or adsorption pore structure or in a colloidal form.

This section does not apply to batteries used for other purposes, such as lead-acid starter batteries, traction lead-acid batteries, fixed-valve type Lead-acid battery, sealed lead-acid battery electric power, miniature VRLAB.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 19639.1-2014 General VRLAB Part 1. Technical conditions (IEC 61056-1:2012, MOD)
JB/T 2599 lead-acid battery name, model designation and naming approach

3 Model designation

Battery type should be consistent with the preparation of JB/T 2599 requirements. Product type is represented by characters "Valve" the first capital letter alphabet "F".

Figure 1 details name.

6-F - -30 -

The number of batteries in series monomer VRLA Manufacturers develop their own 20 hours rated capacity, Ah 1 hour rate capacity (can be omitted) Example. The rated capacity

of six cells in series for general 30Ah lead-acid batteries (VRLA) model named 6-F-30.

6 cells in series rated capacity of 30Ah (1 hour rate capacity of 15Ah) common lead-acid battery (VRLA GEL) model named 6-FJ-30 (15).

Figure 1 a schematic model name

4 Battery shape and size structure

4.1

Battery rectangular shape structure and dimensions shown in Figure 2 and Table 1.