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

GB/T 32485-2016

**Methods of evaluation of the battery life of a battery-powered
watch**

电池驱动手表的电池寿命的评估方法

(English Translation)

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the translation method equivalent to ISO 12819.:2009 "battery-driven watch battery life assessment method." and the normative reference in this standard international documents are consistent with the relationship between China's documents are as follows.

--- GB/T 8897.3-2013 Original battery Part 3. Watch battery (IEC 60086-3.:2011, MOD)
Terminology - Part 2. Definitions for technical and commercial use (ISO 6426-2.:2002, IDT)
- GB/T 9820.2-2008.

This standard is proposed by the China Light Industry Federation.

This standard by the National Standardization Technical Committee (SAC/TC160) centralized.

The drafting of the standard units. Shenzhen Titan Clock Watch Co., Ltd., Fiyta (Group) Co., Ltd., Zhuhai Rossini watch industry Co., Ltd., light industrial watches and clocks, Shishi City letter good Electronics Co., Ltd., King Electronics (Shenzhen) Co., Ltd., Shenzhen Long Lang Star Branch Limited company.

1 Scope

This standard specifies two methods for determining the battery life of a battery-driven watch and specifies that the manufacturer and the vendor inform the customer of the the labeling method.

According to the available information, both the theoretical battery life and the actual battery life are calculated using the formula given in this standard.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article. For undated references, the latest edition (including all modifications) applies to this document.

ISO 6426-2 chronology terminology - Part 2. Definition of technical and commercial use (Horological vocabulary-Part 2. Technical and commercial definitions IEC 60086-3 original battery Part 3. watch battery (Primary batteries-Part 3. Watch batteries)

3 Terms and definitions

ISO 6426-2 and the following terms and definitions apply to this document.

Battery life the duration of the battery-driven watch is determined by the characteristics of the battery and the movement.

Note: watch battery life from the battery into the watch and began to drive the watch when the movement began, until the voltage dropped to the required level of movement of the watch and the watch stopped.

Actual battery life practical battery life AP the battery life calculated after the self-discharge current of the battery during storage and transportation is considered.

Theoretical battery life theoretical battery life AT Assuming that the battery is an ideal battery with no self-discharge current, calculate the battery life.

4.1 Parameters

The following parameters affect the calculation results.

The type of battery used;

The type of movement used;

Transport and environmental conditions.