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**GA**

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

**GA/T 1296-2016**

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**General technical requirements for burglar-resistant terminals  
of electric bicycles based on internet of things**

电动自行车物联网防盗终端通用技术要求

**(English Translation)**

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## Foreword

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

## 1 Scope

This standard specifies the technical requirements, test methods, inspection rules, marking, packaging, transportation and the technical requirements of the anti-theft terminal of the electric bicycle.

Storage.

This standard applies to the design, manufacture and inspection of anti-theft terminals of electric bicycle.

## 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 Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 191 packaging and storage icon GB/T 2423.1-2008 Environmental testing for electric and electronic products - Part 2. Test methods - Test A. Low temperature GB/T 2423.2-2008 Environmental testing for electric and electronic products - Part 2. Test methods - Test B. High temperature GB/T 2423.3-2006 Environmental testing of electrical and electronic products - Part 2. Test methods - Test Cab. constant damp heat test GB/T 2423.5-1995 Environmental testing for electric and electronic products - Part 2. Test methods - Test Ea and guidance. Impact GB/T 2423.8-1995 Environmental testing for electric and electronic products - Part 2. Test methods - Test Ed. Free fall GB/T 2423.10-2008 Environmental testing for electric and electronic products - Part 2. Test methods - Test Fc. Vibration (sinusoidal) GB/T 2423.17-2008 Environmental testing for electric and electronic products - Part 2. Test methods Test Ka. Salt mist GB/T 2828.1 Sampling inspection procedures Part 1. Batch inspection sampling plan for retrieval by quality limit (AQL) GB/T 2829 Periodic inspection count Sampling procedures and tables (for inspection of process stability) GB 4208-2008 enclosure protection class (IP code) General specification for microcomputers GB/T 9813-2000 Vibration intrusion detectors GB/T 10408.8-2008 Reliability test of electronic measuring instruments GB/T Safety precautions - Safety equipment - Safety requirements and test methods GB/T Electromagnetic compatibility - Testing and measurement techniques - Electrostatic discharge immunity test GB/T 17626.2-2006 GB/T 17626.3-2006 Electromagnetic compatibility test and measurement technology Radio frequency electromagnetic radiation immunity test General specification for lithium - ion

batteries and battery packs for mobile telephones GB/T 18287-2013 YD/T 3011.1-2016  
Application of Internet of Things based on public communication networks Public location  
service for electric bicycles Part 1.

Platform technology requirements YD/T 3011.2-2016 Application of Internet of things based  
on public communication network Public bicycle public location service Part 2. Flat Taiwan  
test method

### **3 Terms and definitions**

The following terms and definitions apply to this document.

Electric Bicycle Anti-theft Terminals

burglar-resistantterminalsofelectricbicyclesbasedoninternetofthings Installed in the electric  
bike, the use of Internet of things technology, through the application platform to interact  
with the vehicle location, status and instructions and other information to achieve