

# Valve Regulated Sealed Gel Battery



## rated voltage

12V

## Capacity

2V 4Ah ~ 300Ah

## Feature

- Special pole plate design, long cycle life, float charging design life of 16 years
- Low self-discharge rate: monthly self-discharge rate is less than 1.5%.
- Good consistency, ensure voltage and capacity uniformity.
- Slightly lower heat sensitivity, wide operating temperature range
- Good sealing performance, maintenance-free
- Good conductivity, using copper terminals, excellent conductivity, high current discharge
- Strong charging acceptance: fast charging, capacity recovery saves time and electricity.
- Safe and reliable explosion-proof exhaust system
- Solid gel electrolyte, no internal short circuit
- Strong resistance to deep discharge

## Application

UPS, solar and wind energy, electric power, communications, power tools, medical systems, emergency systems, electric vehicles, defence communications and other industry sectors.

## Introduction

Boltcomm valve regulated Sealed Gel Battery adopts unique alloy formula of plate and grid with high corrosion resistance and active substance formula, and at the same time, it adopts advanced production technology and special structural design, unique gas re-combination technology and special separator, which has the features of long deep-cycle service life, safe and reliable use, extremely low self-discharge rate, flexible installation and convenient maintenance.

## Technical Specification

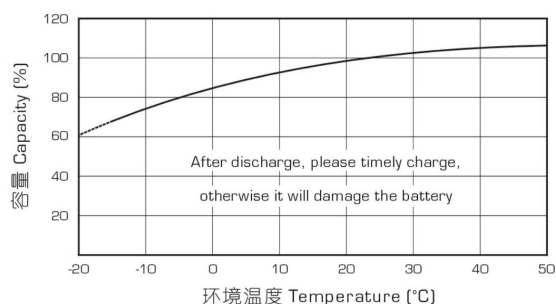
| Model                 | BO12V 7Ah | BO12V 9Ah | BO12V 17Ah | BO12V 24Ah | BO12V 38Ah | BO12V 65Ah | BO12V 100Ah | BO12V 120Ah | BO12V 150Ah | BO12V 200Ah | BO12V 250Ah |
|-----------------------|-----------|-----------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|
| Rated voltage (V)     | 12        | 12        | 12         | 12         | 12         | 12         | 12          | 12          | 12          | 12          | 12          |
| Rated capacity (Ah)   | 7         | 9         | 17         | 24         | 38         | 65         | 100         | 1200        | 150         | 200         | 250         |
| <b>Dimension</b>      |           |           |            |            |            |            |             |             |             |             |             |
| Length (mm)           | 151       | 151       | 181        | 165        | 197        | 348        | 332         | 408         | 480         | 522         | 522         |
| Width (mm)            | 65        | 65        | 77         | 126        | 166        | 167        | 175         | 174         | 170         | 240         | 240         |
| Height (Sum)(mm)      | 100       | 100       | 167        | 175        | 170        | 177        | 219         | 234         | 242         | 223         | 223         |
| Reference weight (kg) | 2.11      | 2.58      | 4.9        | 7.35       | 11.5       | 18.3       | 27.1        | 32.5        | 40          | 55.4        | 68          |

Note: The above data is for reference only, if there are changes to the physical shall prevail.

• Product specifications are subject to change without further notice.

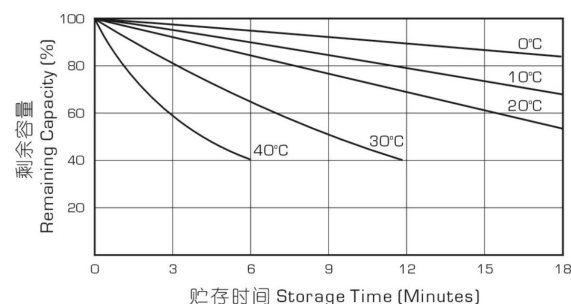
### 环境温度与放电容量的关系

Temperature effects in relation to battery capacity



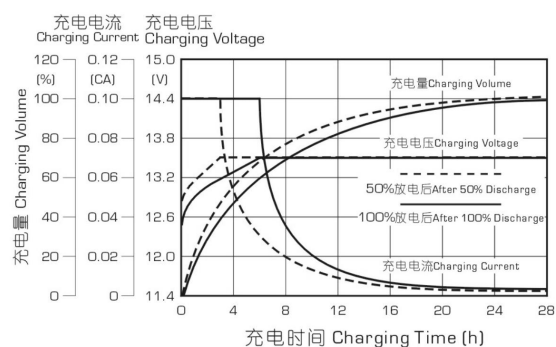
### 自放电特性曲线

Self discharging characteristics



### 浮充使用充电特性

Float charging characteristics



### 循环使用充电特性

Cycle use charging characteristics

