

**MODEL: SP36-12(36AH/2HR)**


### ● Product Specification

**Nominal Voltage:** 12V

**Rated Capacity:**

20Hour Rate (2.5A to 10.5V)	50AH
10Hour Rate (4.6A to 10.5V)	46AH
5Hour Rate (8.5A to 10.5V)	42.5AH
2Hour Rate (18.0A to 10.5V)	36AH

#### Dimension and Weight

Length	197mm ± 1mm
Width	165mm ± 1mm
Height	176mm ± 1mm
Total Height	176mm ± 1mm
Wright(WT)	15.5kg

**Internal Resistance:** Fully charged Battery  $\leq 12m\Omega$

**Self discharge Rate:** 20°C 3%/28days

#### Operating Temperature Range:

Discharge	-35°C (-31°F) ~ 50°C (122°F)
Charge	-15°C (5°F) ~ 40°C (104°F)
Storage	-15°C (5°F) ~ 40°C (104°F)

#### Charging Methods:

Floating Use	13.5V~13.8V(20°C), Compensation coefficient-3mv/cell/°C
Cycling Use	14.4V~15.0V(20°C), Compensation coefficient-5mv/cell/°C
Max Charge Current	0.3C(A)

**Case** ABS

**Applications** Electric Vehicle, Solar power, Wind power, Telecom Systems, UPS

### ● General Features

High Corrosion Resistant Performance: Pb-Ca multi-alloy grid  
Patented Silicate Compound Electrolyte: Minor acid vapor, environment friendly.

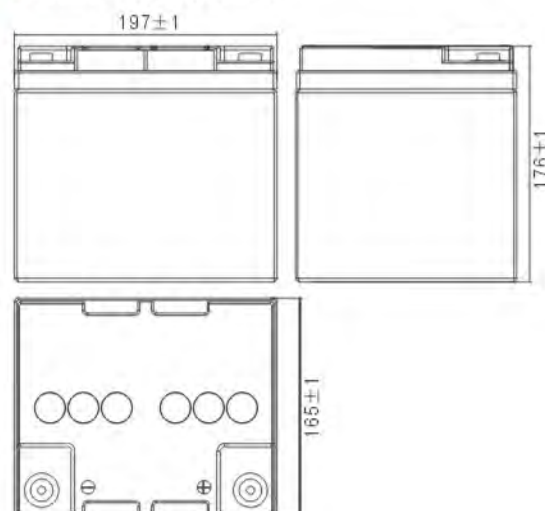
High Energy Density and Power Density.

Excellent Charge Acceptance Ability.

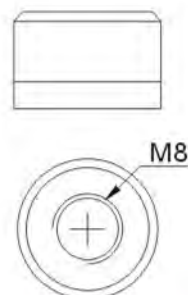
Strong High and Low Temperature Performance.

Optimized Capability of Instant High-current Discharging

### ● Outer Dimensions



### ● Terminal Type



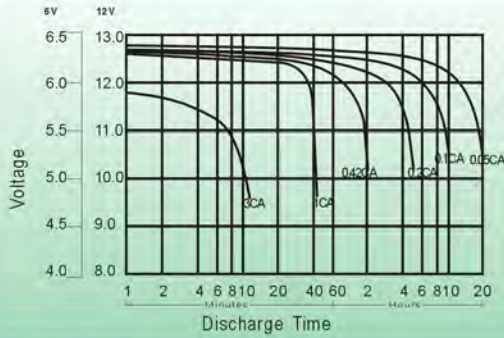


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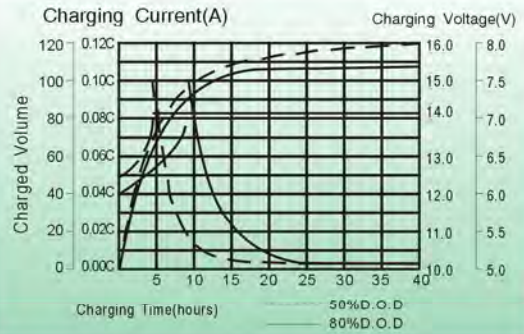
Silicone Power Battery

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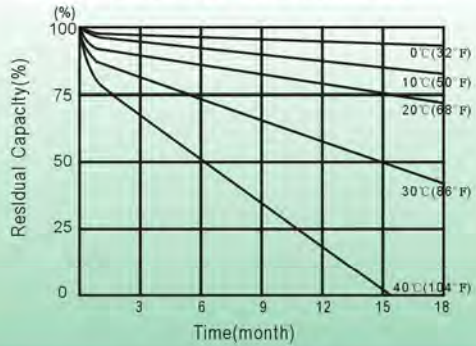
Discharge Characteristic Curves



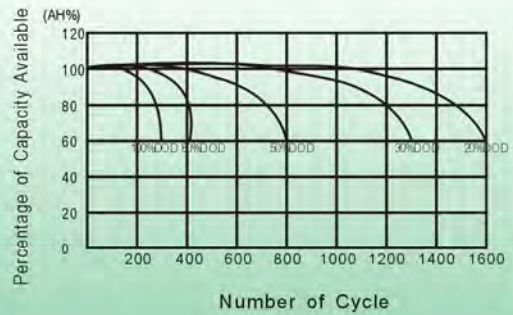
Constant Voltage Charging For Standby Use Batteries



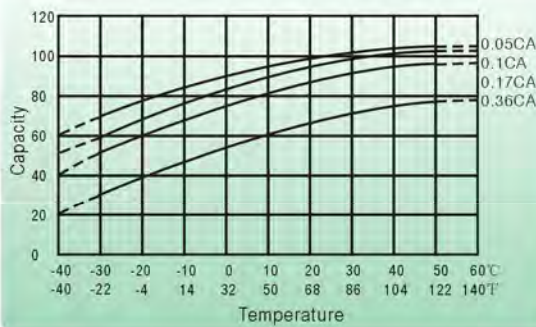
Self-Discharge Characteristics



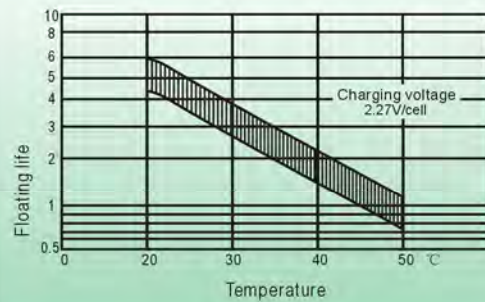
Cycle Service Life



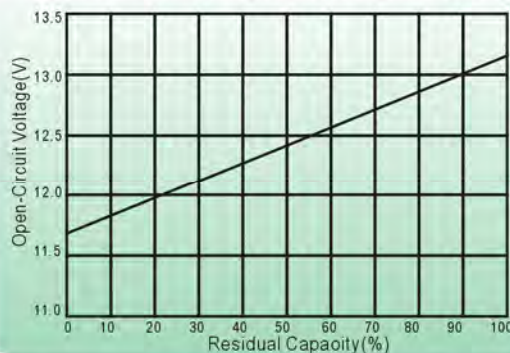
Effect of Temperature on Capacity



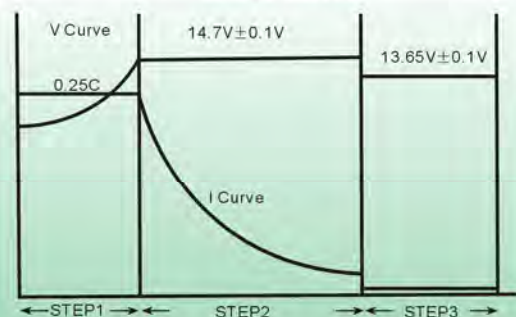
Float Service Life



Open-Circuit Voltage and Residual Capacity



Charge Curves



ADD: Free Trade Zone (South Zone), Ningbo, China  
TEL: 0574-26889988  
FAX: 0574-26886688  
E-mail: ningbo@greensaver.cn  
Http: www.greensaver.cn

