



MODEL: SP8.5-12(8.5AH/20HR)



General Features

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

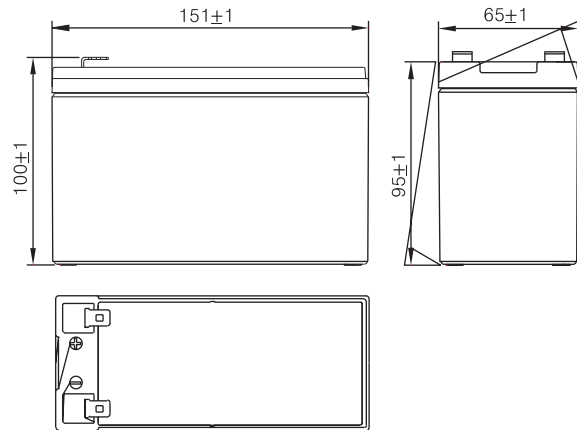
High Energy Density and Power Density.

Excellent Charge Acceptance Ability.

Strong High and Low Temperature Performance.

Optimized Capability of Instant High-current Discharging

Outer Dimensions



Product Specification

Nominal Voltage: 12 V

Rated Capacity:

Table with 2 columns: Rate and Capacity. Rows include 20Hour Rate (0.425A to 10.5V) 8.5 AH, 10Hour Rate (0.8A to 10.5V) 8.0 AH, 5Hour Rate (1.36A to 10.5V) 6.8 AH, 2Hour Rate (3.0A to 10.5V) 6.0 AH

Dimension and Weight

Table with 2 columns: Dimension and Value. Rows include Length 151mm±1mm, Width 65mm±1mm, Height 95mm±1mm, Total Height 100mm±1mm, Weight(WT) 2.50kg

Internal Resistance: Fully charged Battery ≤2 5m Ω

Self discharge Rate: 20°C, 4% first month, after 1% per month

Operating Temperature Range:

Table with 2 columns: Operation and Temperature Range. Rows include 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)

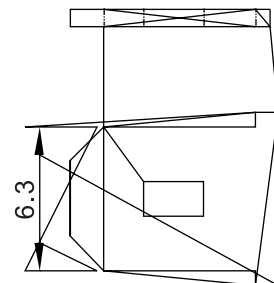
Charging Methods:

Table with 2 columns: Method and Parameters. Rows include 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, Electric Slide Vehicle, Solar Power, Wind Power, Telecom Systems, UPS

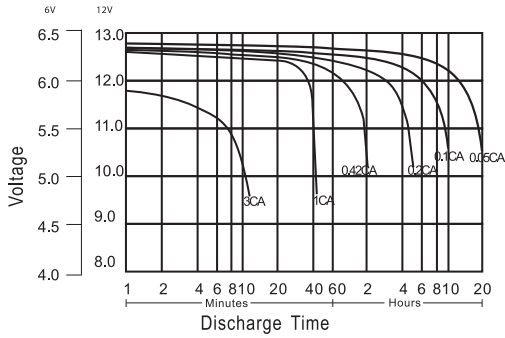
Terminal Type



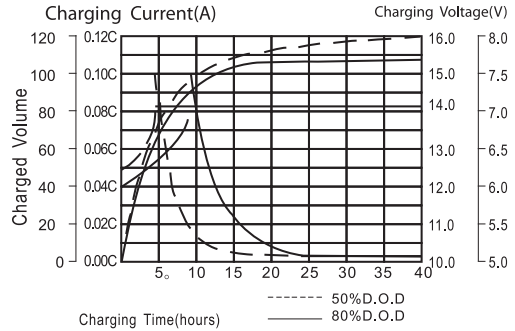


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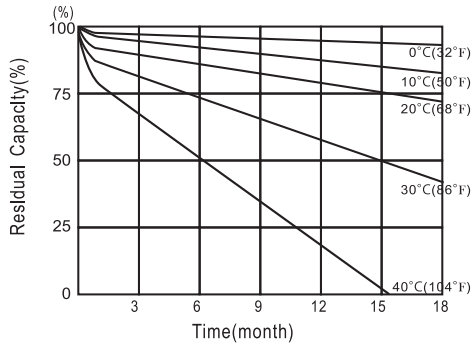
Discharge Characteristic Curves



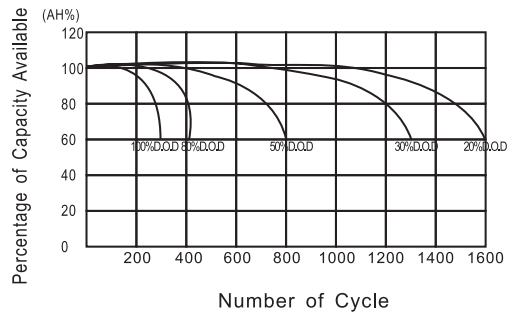
Constant Voltage Charging For Standby Use Batteries



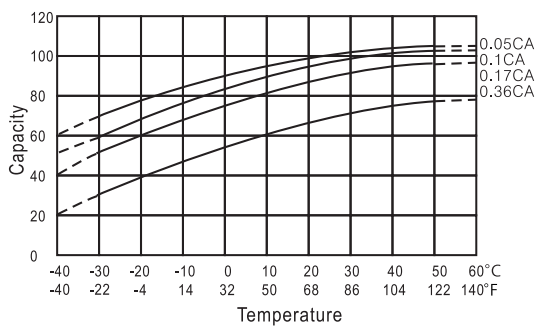
Self-Discharge Characteristics



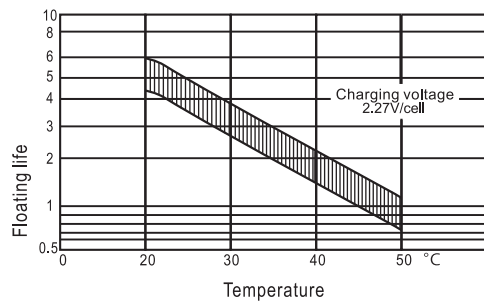
Cycle Service Life



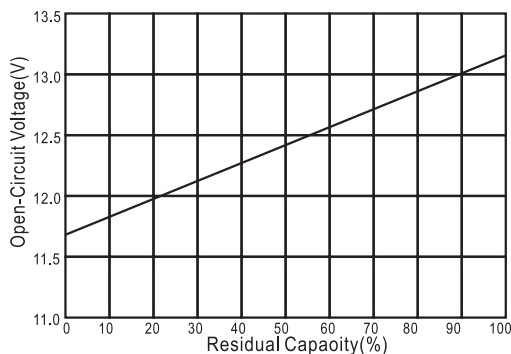
Effect of Temperature on Capacity



Float Service Life



Open-Circuit Voltage and Residual Capacity



Charge Curves

