



MODEL: SP24-12(24AH/20HR)



● Product Specification

Nominal Voltage: 12 V

Rated Capacity:

20Hour Rate (1.20A to 10.5V)	24.0 AH
10Hour Rate (2.20A to 10.5V)	22.0 AH
5Hour Rate (4.08A to 10.5V)	20.4 AH
2Hour Rate (10.0A to 10.5V)	20.0 AH

Dimension and Weight

Length	180mm±1mm
Width	76mm±1mm
Height	170mm±1mm
Total Height	170mm±1mm
Wright(WT)	7.0kg

Internal Resistance: Fully charged Battery $\leq 15m \quad \Omega$

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

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

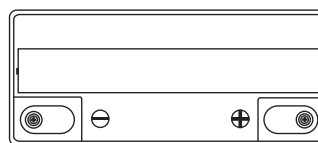
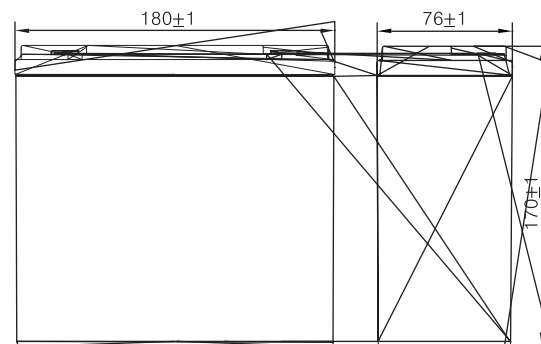
High Energy Density and Power Density.

Excellent Charge Acceptance Ability.

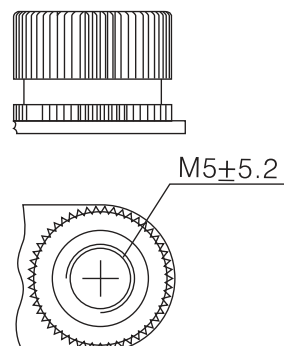
Strong High and Low Temperature Performance.

Optimized Capability of Instant High-current Discharging

● Outer Dimensions

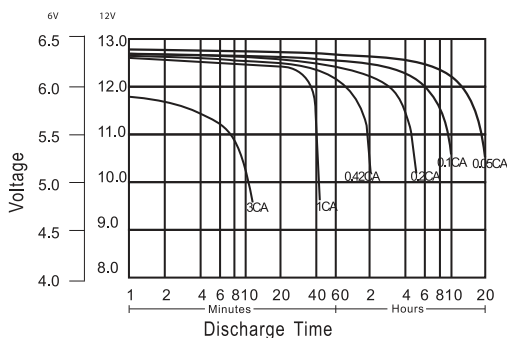


● Terminal Type

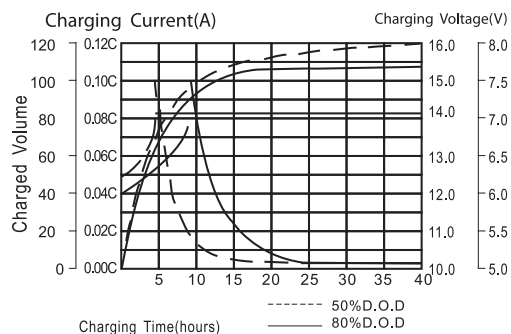


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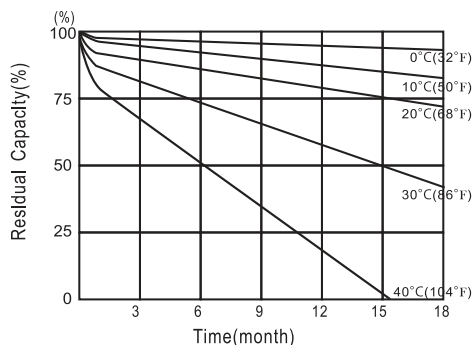
Discharge Characteristic Curves



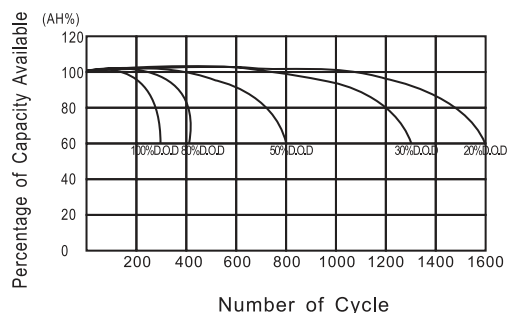
Constant Voltage Charging For Standby Use Batteries



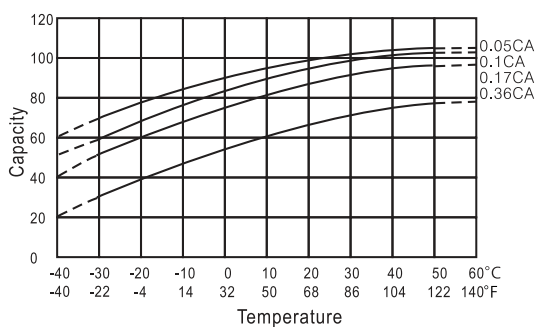
Self-Discharge Characteristics



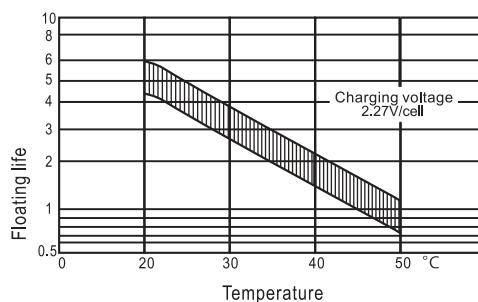
Cycle Service Life



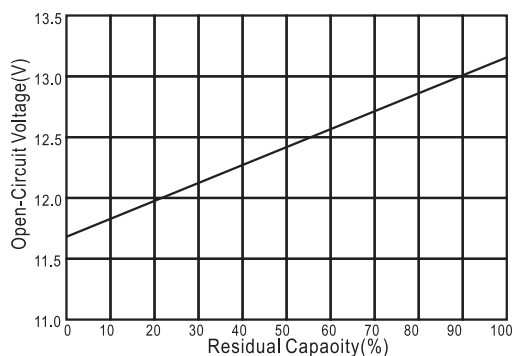
Effect of Temperature on Capacity



Float Service Life



Open-Circuit Voltage and Residual Capacity



Charge Curves

