

Product features

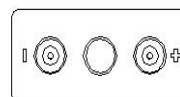
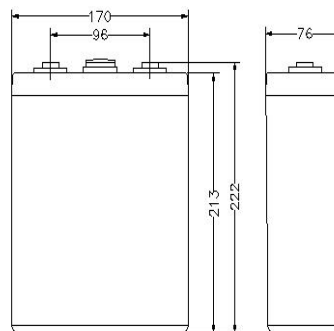
Valve control using corrosion resistant high tin content alloy grid plate sealed lead-acid battery, enhanced corrosion resistance, effectively improve the service life of the float;

High tight assembly process design and supporting equipment, greatly improve the battery charge acceptance and deep discharge recovery performance;

Precision vacuum acid injection mode, advanced, environmental protection into the process, to ensure the consistency of the battery;

Pole sealing structure and sealing adopts patent technology of epoxy adhesive cured at high temperature, ensure the battery is safe and reliable.

Outline dimension



Battery parameters

Battery type	Vrla
Nominal voltage	2V
Rated capacity	100Ah (10h rate , 1.8V , 25℃)
Overall dimensions (L * w * h)	172*72*205 (mm)
The design of Floating Life	12years
Reference weight	5.8kg
Applicable temperature	-25℃ ~ 50℃
Optimum operating temperature	20℃ ~ 25℃
Self discharge	The 90 days of storage capacity is more than 90% at 25℃
Reference resistance	≤0.55mΩ
Cap material	ABS
Pole size(mm)	Φ16、 M6
Warranty	1year

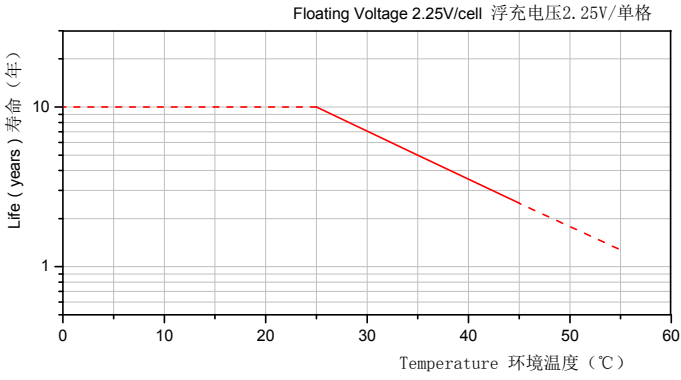
Charging method

type	Voltage (V)	Temperature compensation coefficient	Charge current(A)
Recycling use	2.30~2.40	-4mV/℃	0.1C~ 0.25C
Float	2.23~2.27	-3mV/℃	

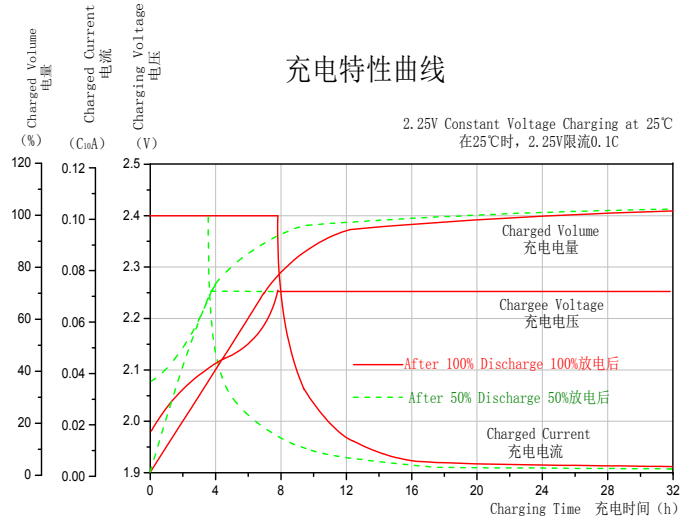
Relationship between discharge current and terminal voltage

discharge rate	0.1C	0.16C	0.23C	0.6C	3C
Termination voltage (V)	1.80	1.75	1.70	1.60	1.30

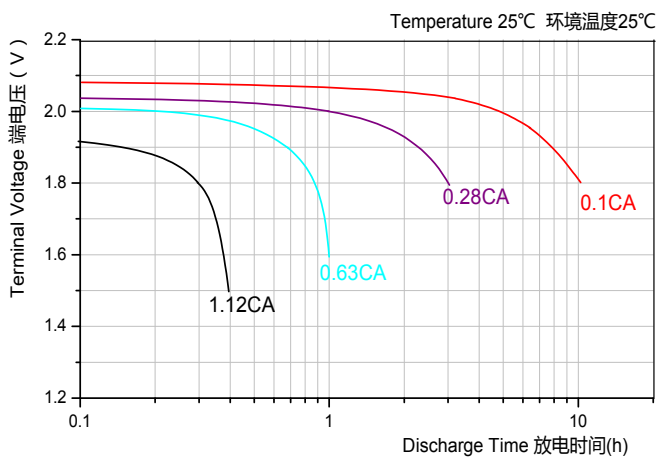
加速寿命性能



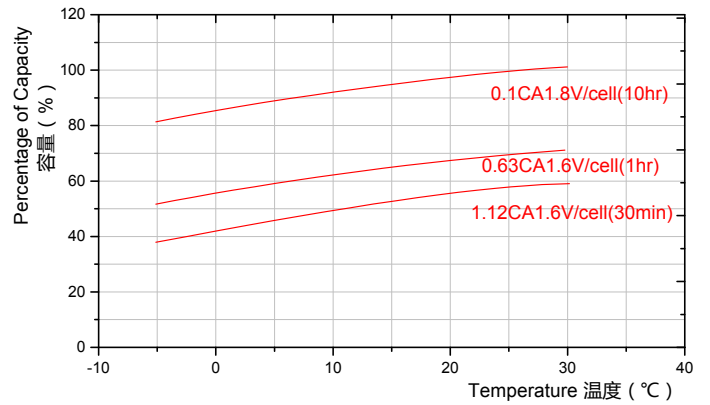
充电特性曲线



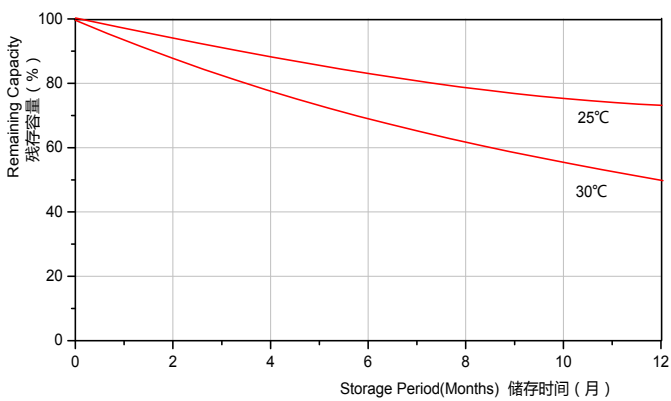
放电特性曲线



容量温度曲线



自放电特性



48v Schematic diagram of vertical mounting system

