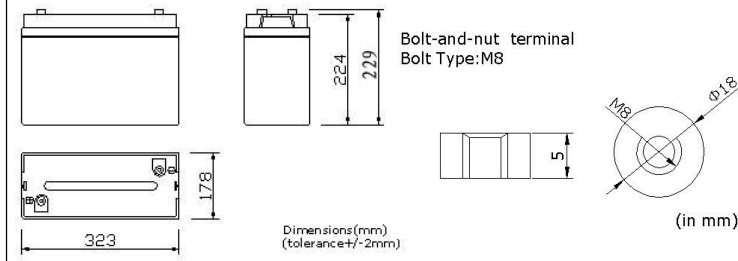


PHYSICAL SPECIFICATION

Nominal Voltage		6V
Nominal Capacity (10HR)		200Ah
Dimension	Length	323±2mm (12.72 inches)
	Width	178±2mm (7.01 inches)
	Container Height	224±2mm (8.82 inches)
	Total Height	229±2mm (9.02 inches)
Weight		Approx. 30.2 Kg ±3% (66.58lbs)
Standard Terminal		Bolt-and-nuts terminal Bolt Type: M8



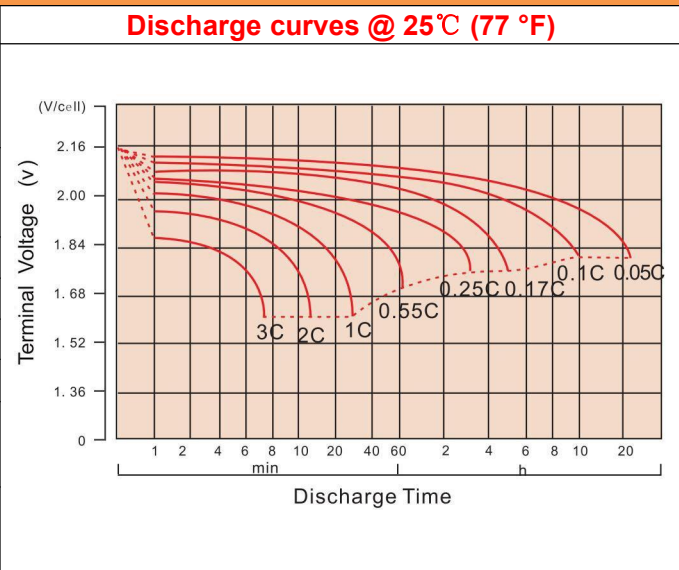
Shimastu Gel series Gel Batteries are manufactured with special separators and silica gel immobilizing the electrolyte inside the battery, it is perfect for frequent cyclic deep discharge or standby applications under harsh environments, and has a long service life.

Features:

1. Special polar plate design, which ensures a designed floating charge life of 15 years at 25°C (77 °F)
2. Equalized current distribution, the active material is not easy to fall off
3. High gas recombination efficiency
4. Good deep discharge resilience performance
5. No delamination phenomena in the electrolyte
6. Manufactured with high-porosity

ELECTRICAL SPECIFICATION

Characteristics		
Capacity	10 hour rate (20A)	200Ah
	5 hour rate (34A)	170Ah
	3 hour rate (50A)	150Ah
	1 hour rate (110A)	110Ah
Capacity affected by temperature	40°C (104 °F)	102%
	25°C (77 °F)	100%
	0°C (32 °F)	85%
Max Discharge Current	2000A(5 Sec)	
Short Circuit Current	3700A	
Designed floating life	15 years (at 25°C)	
Internal Resistance	Full charged battery (25°C, 77 °F) 3.8mΩ	
Constant Voltage Charge	Cycle	Initial Charging Current less than 50A Voltage 7.05~7.20V at 25°C (77 °F) Temperature Coefficient -30mV/°C
	Standby	No limit on Initial Charging Current Voltage 6.75~6.90V at 25°C (77 °F) Temperature Coefficient -20mV/°C



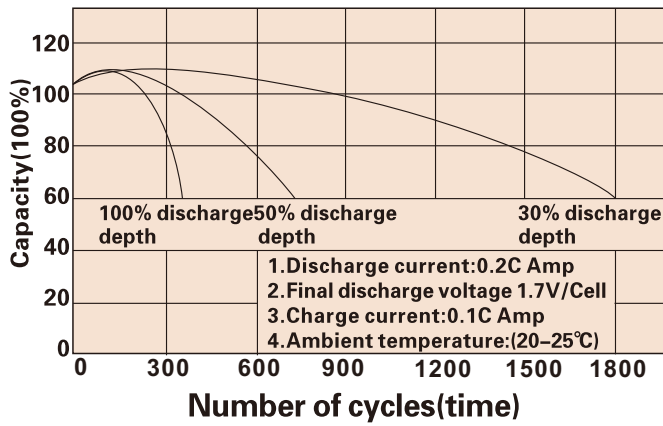
CONSTANT CURRENT DISCHARGE RATING A@25°C

F.V/TIME	10MIN	15MIN	30MIN	1HR	3HR	5HR	8HR	10HR	20HR
1.60V	477.1	352.1	216.7	124.0	56.6	37.9	25.4	21.2	11.0
1.65V	438.7	336.6	208.0	119.3	54.8	36.8	25.1	20.9	10.9
1.70V	404.0	315.3	198.9	114.8	53.3	35.9	24.7	20.5	10.7
1.75V	369.8	293.6	190.0	110.0	51.7	35.0	24.4	20.3	10.6
1.80V	334.8	271.0	181.8	106.1	50.0	34.0	24.0	20.0	10.5

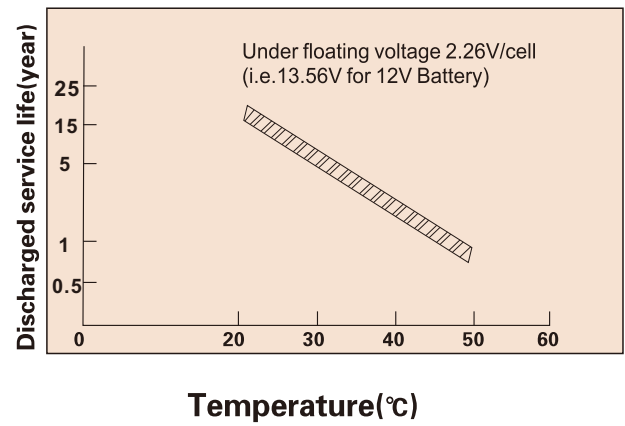
CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	10MIN	15MIN	30MIN	1HR	3HR	5HR	8HR	10HR	20HR
1.60V	789.4	615.7	397.7	233.2	108.0	73.1	50.0	41.8	21.7
1.65V	760.4	597.3	385.7	225.6	105.2	71.2	49.1	41.1	21.4
1.70V	712.9	567.7	372.4	218.3	102.7	69.6	48.5	40.6	21.1
1.75V	664.3	536.3	359.7	210.5	100.2	68.1	47.9	40.0	21.0
1.80V	611.7	502.2	347.2	204.0	97.1	66.5	47.3	39.3	20.8

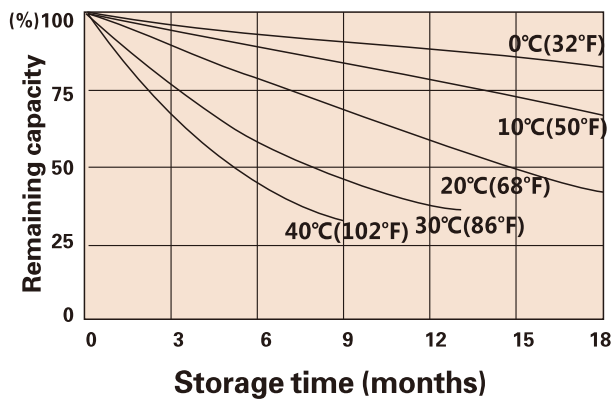
Cycle service life



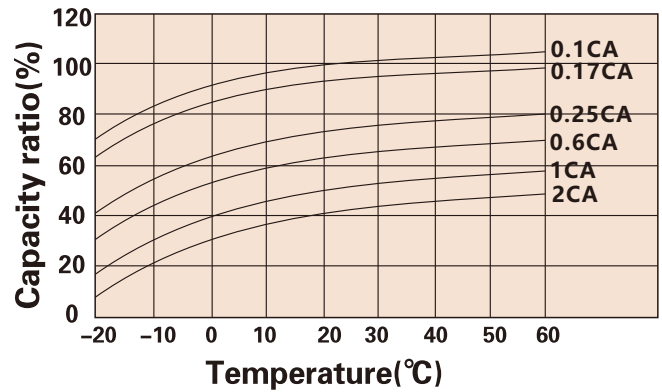
Trickle(or float) service life



Storage time(months)



Temperature and discharge capacity



Charging characteristic



Storage Temperature	Supplementary Charge Interval	Charge Method
≤20°C	Every 12 months	Less or 24 hours with a constant voltage of 2.3V/cell
20-30°C	Every 8 months	12-18 hours with a constant voltage of 2.45V/cell
≥30°C	Storage to be avoided	8-12 hours with a constant current of 0.05CA

APPLICATIONS

Standby Usage:

- UPS
- Emergency Lights
- Alarm Systems
- Telecommunication Systems

Cyclic Usage:

- Medical Equipments
- Electric Instruments
- Toys
- Camcorder and Solar Systems

Motive Usage:

- Golf Cars
- Wheelchairs
- Lawnmowers
- Motorcycle

(Note) All above information shall be changed without prior notice, Shimastu reserves the right to explain and update the latest information.