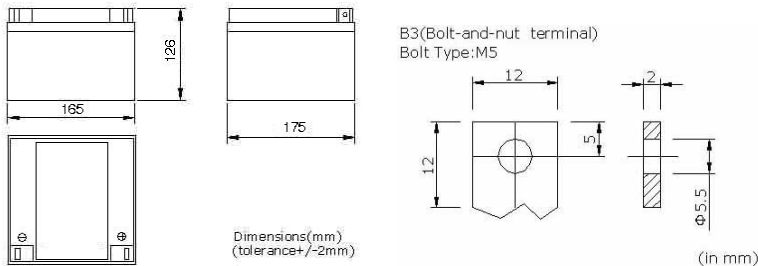


PHYSICAL SPECIFICATION



Nominal Voltage		12V
Nominal Capacity (10HR)		26Ah
Dimension	Length	175±1mm (6.89 inches)
	Width	165±1mm (6.50 inches)
	Container Height	126±1mm (4.96 inches)
	Total Height	126±1mm (4.96 inches)
Weight		Approx. 8.4 Kg ±3% (18.52lbs)
Standard Terminal		Bolt-and-nut terminal Bolt Type: M5



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

Features:

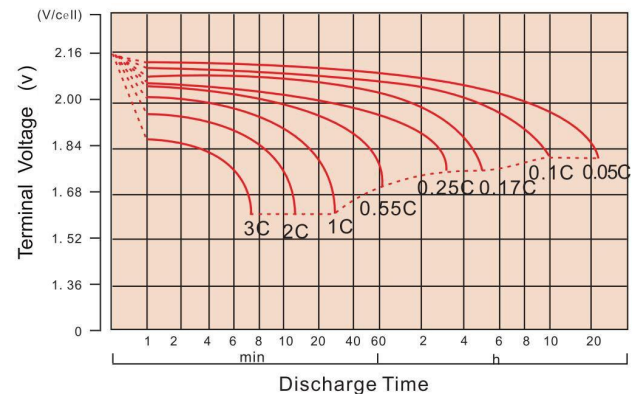
1. Special polar plate design, which ensures a designed floating charge life of 15 years at 25°C (77 °F)
2. Equalized current distribution, the active material is not easy to fall off
3. High gas recombination efficiency
4. Good deep discharge resilience performance
5. No delamination phenomena in the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

ELECTRICAL SPECIFICATION

Characteristics

Discharge curves @ 25°C (77 °F)

Capacity	10 hour rate (2.6A)	26Ah
	5 hour rate (4.42A)	22Ah
	3 hour rate (6.5A)	19.5Ah
	1 hour rate (14.26A)	14.3Ah
Capacity affected by temperature	40°C (104 °F)	102%
	25°C (77 °F)	100%
	0°C (32 °F)	85%
Max Discharge Current	260A(5 Sec)	
Short Circuit Current	900A	
Internal Resistance	Full charged battery (25°C, 77 °F) 10mΩ	
Constant Voltage Charge	Cycle	Initial Charging Current less than 6.5A Voltage 14.1~14.4V at 25°C (77 °F) Temperature Coefficient -30mV/°C
	Standby	No limit on Initial Charging Current Voltage 13.5~13.8V at 25°C (77 °F) Temperature Coefficient -20mV/°C



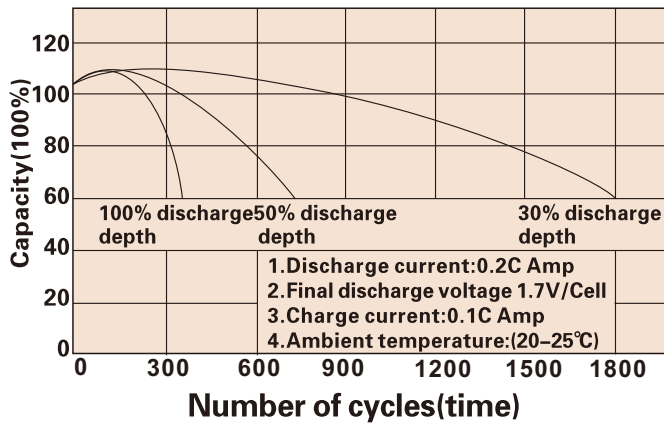
CONSTANT CURRENT DISCHARGE RATING A@25°C

F.V/TIME	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	94.00	66.43	48.02	28.44	15.92	7.34	4.91	2.75	1.43
1.65V	87.40	62.77	45.91	27.34	15.36	7.11	4.77	2.71	1.41
1.70V	78.86	57.80	43.00	26.16	14.81	6.92	4.66	2.67	1.39
1.75V	70.66	52.89	40.02	24.98	14.26	6.70	4.54	2.63	1.38
1.80V	62.04	47.89	36.94	23.87	13.79	6.50	4.42	2.60	1.36

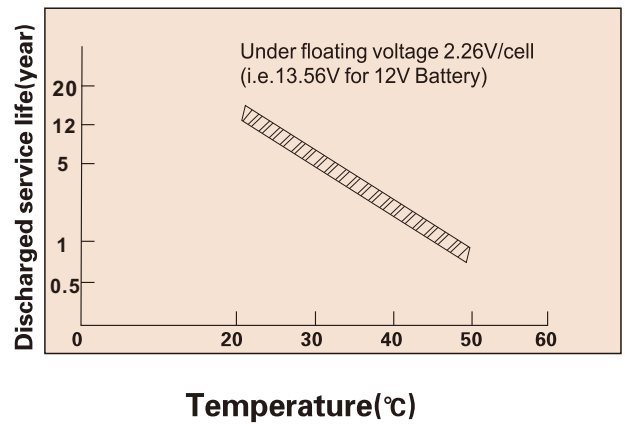
CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	155.8	112.9	83.93	51.68	29.93	13.99	9.48	5.42	2.80
1.65V	146.6	108.8	81.45	50.19	29.04	13.63	9.23	5.31	2.76
1.70V	135.3	102.0	77.43	48.49	28.17	13.32	9.03	5.24	2.73
1.75V	123.9	95.00	73.10	46.78	27.28	12.99	8.84	5.20	2.72
1.80V	111.1	87.50	68.44	45.17	26.51	12.62	8.64	5.11	2.70

Cycle service life



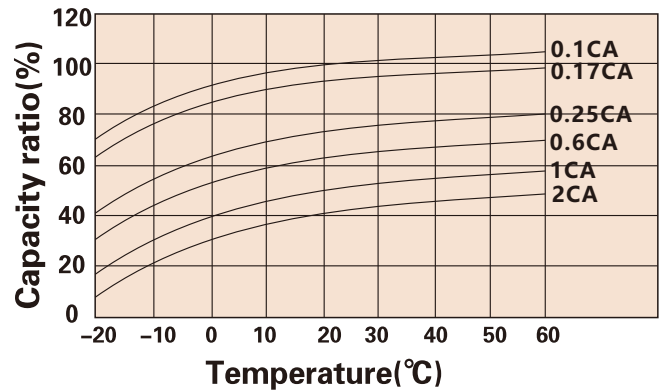
Trickle (or float) service life



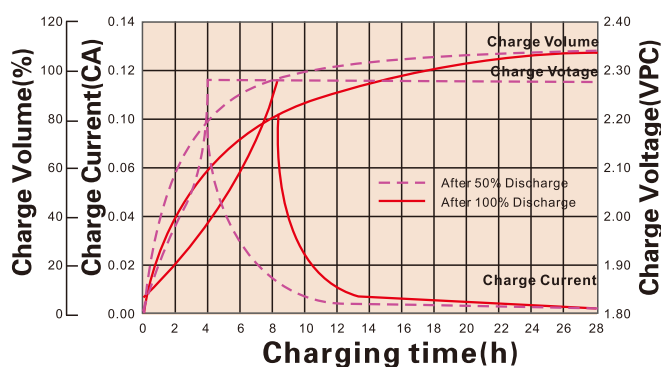
Storage time (months)



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.