

OFTOB ENERGY - OE-BG-S/GFM-200 Gel Battery Specification



Application:

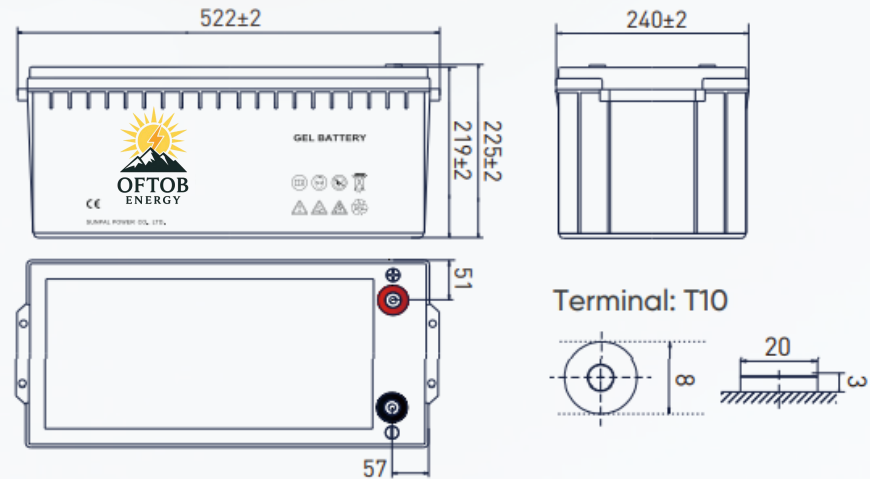
- Maintenance free
- Safety and no leakage
- Excellent recharge and discharge performance
- Low self-discharge rate
- Adapt to high or low temperature
- Good deep discharge performance
- Longer cycle life



Specification

Nominal Voltage		12V
Rated Capacity(10 hour rate)		200Ah
Dimension	Length	522±2mm(20.6in)
	Width	240±2mm(9.44in)
	Height	219±2mm(8.62in)
	Total Height (With terminals)	225±2mm(8.86in)
Weight		Approx 58.5kg+2%(128.9lbs)

Dimension



Characteristic		
Capacity 25°C (77°F)	10 hour rate (20.0A)	200AH
	5 hour rate (34.0A)	170AH
	1 hour rate (120A)	120AH
Internal Resistance	Full charged Battery 25°C (77°F)	3.6mΩ
Capacity affected by Temperature (10 hour rate)	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Self-Discharge 25°C (77°F)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	65%
Max. Discharge Current	2600A (5S) 25°C (77°F)	
Terminal	Standard	T10
	Optional	T5
Charging (Constant Voltage)	Cycle	Initial Charging Current 50A or small 14.40~15.00V 25°C (77°F)
	Float	13.50~13.80V 25°C (77°F)



Constant Current Discharge(Amperes) at 25°C(77°F)											
F.V/Time	15min	30min	1H	2H	3H	4H	5H	6H	8H	10H	20H
1.85V/cell	280	169	103	64.2	47.8	39.2	33.4	27.2	22.6	19.4	10.1
1.80V/cell	306	183	110	67.6	50.0	40.8	34.8	29.2	23.4	20.0	10.4
1.75V/cell	328	193	115	70.0	51.8	42.2	35.8	30.0	24.0	20.4	10.6
1.70V/cell	344	201	119	72.0	53.0	43.2	36.6	30.6	24.4	20.8	10.7
1.65V/cell	357	207	122	73.4	54.0	43.8	37.0	31.4	24.8	21.2	10.8
1.60V/cell	366	212	124	74.6	54.8	44.4	37.6	32.0	25.0	21.4	10.9

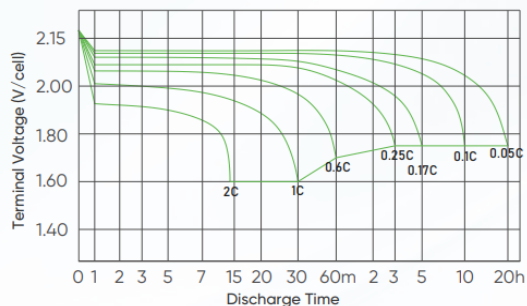


Constant Power Discharge(Watts/cell) at 25°C(77°F)

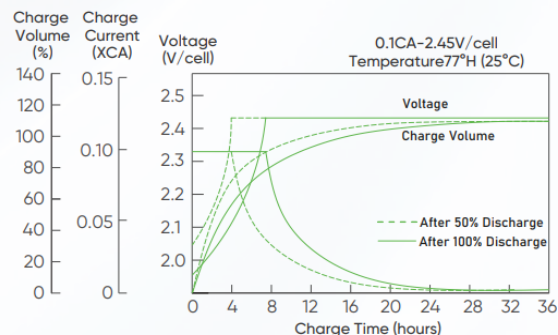
F.V/Time	15min	30min	1H	2H	3H	4H	5H	6H	8H	10H	20H
1.85V/cell	534	328	202	127	94.8	77.8	66.4	53.5	45.4	39.0	20.4
1.80V/cell	576	350	214	133	98.6	80.8	69.0	57.2	46.8	40.2	20.8
1.75V/cell	608	368	222	137	102	83.2	70.3	58.6	48.0	41.0	21.2
1.70V/cell	628	378	230	140	104	84.8	72.0	59.7	48.8	41.8	21.6
1.65V/cell	646	388	234	142	105	86.0	73.0	60.8	49.4	42.2	21.7
1.60V/cell	650	390	236	143	106	86.6	73.4	61.9	49.6	42.6	21.8



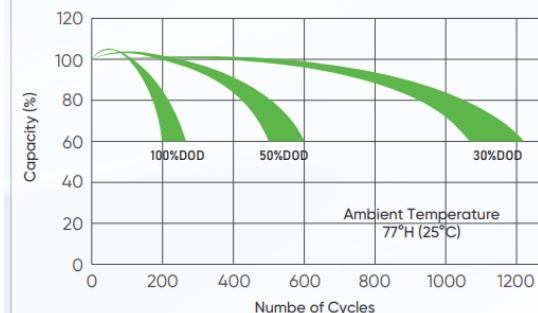
Discharge Characteristics



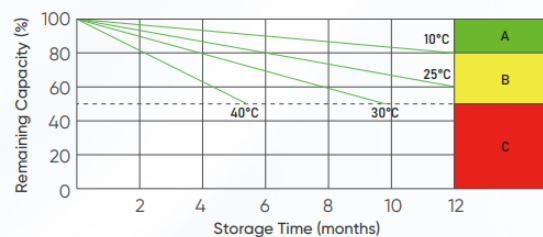
Float Charge Characteristics



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



A: No supplementary charge required
(Carry out supplementary charge before use if 100% capacity is required)
B: Supplementary charge required before use. Optional charging way as below:
1. Charged for above 20 hours at limited current 0.2CA and constant voltage 2.45V/cell.
2. Charged for 8-10 hours at limited current 0.05CA.
C: Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.

