

OFTOB ENERGY - OE-BG-S/GFM-150 Gel Battery Specification



Application:

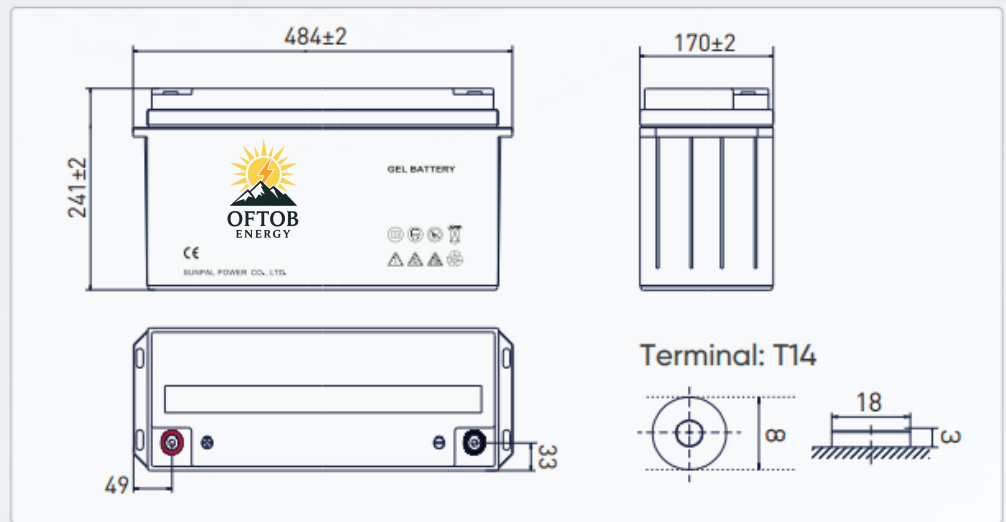
- Maintenance free
- Safety and no leakage
- Excellent recharge and discharge performance
- Low self-discharge rate
- Adapt to high or low temperature
- Good deep discharge performance
- Longer cycle life



Specification

Nominal Voltage		12V
Rated Capacity(10 hour rate)		150Ah
Dimension	Length	484±2mm(19.1in)
	Width	170±2mm(6.70in)
	Height	241±2mm(9.49in)
	Total Height (With terminals)	241±2mm(9.49in)
Weight		Approx 42kg+2%(92.6lbs)

Dimension



Characteristic		
Capacity 25°C (77°F)	10 hour rate (15.0A)	150AH
	5 hour rate (25.5A)	128AH
	1 hour rate (90A)	90AH
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	1500A (5S) 25°C (77°F)	
Terminal	Standard	T14
	Optional	T5
Charging (Constant Voltage)	Cycle	Initial Charging Current 37.5A 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	210	127	77.3	48.2	35.9	29.4	25.1	20.4	17.0	14.5	7.58
1.80V/cell	230	137	82.4	50.7	37.5	30.6	26.1	21.9	17.6	15.0	7.77
1.75V/cell	246	145	86.3	52.5	38.9	31.7	26.9	22.5	18.0	15.3	7.94
1.70V/cell	258	151	89.3	54.0	39.8	32.4	27.5	23.0	18.3	15.6	8.04
1.65V/cell	267	155	91.5	55.1	40.5	32.9	27.8	23.6	18.6	15.9	8.13
1.60V/cell	275	159	93.3	56.0	41.1	33.3	28.2	24.0	18.8	16.1	8.21

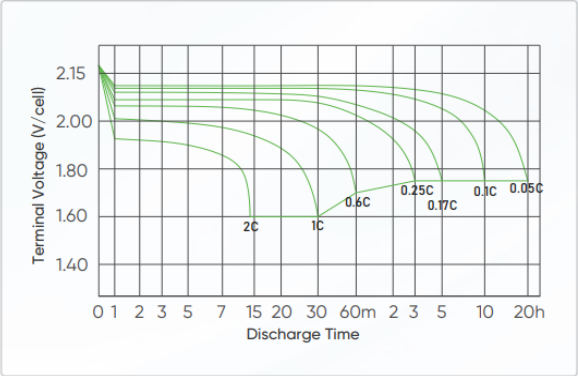


Constant Power Discharge(Watts/cell) at 25°C(77°F)

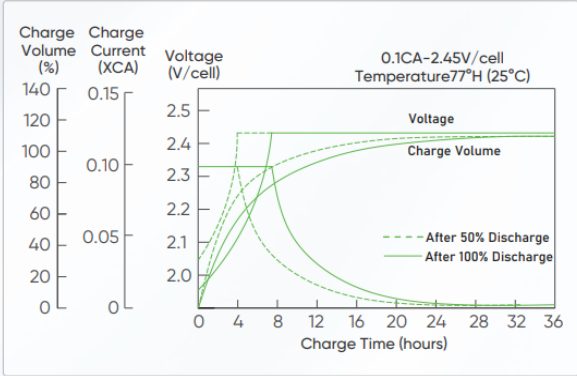
F.V/Time	15min	30min	1H	2H	3H	4H	5H	6H	8H	10H	20H
1.85V/cell	401	246	152	95	71.1	58.4	49.8	40.1	34.1	29.3	15.3
1.80V/cell	432	263	161	99	74.0	60.6	51.8	42.9	35.1	30.2	15.6
1.75V/cell	456	276	167	103	76.2	62.4	53.0	44.0	36.0	30.8	15.9
1.70V/cell	471	284	173	105	77.7	63.6	54.3	44.8	36.6	31.4	16.2
1.65V/cell	485	291	176	107	79.1	64.5	54.8	45.6	37.1	31.7	16.3
1.60V/cell	488	293	177	108	79.5	65.0	55.1	46.4	37.2	32.0	16.4



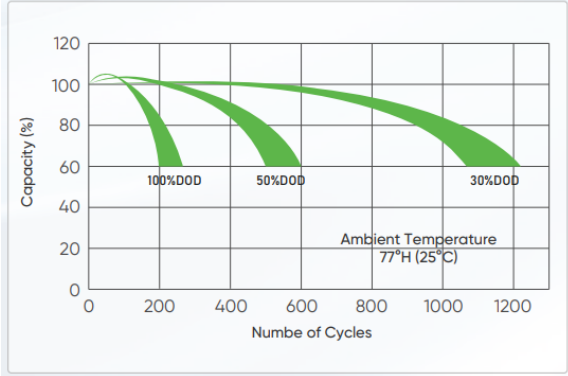
Discharge Characteristics



Float Charge Characteristics



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

