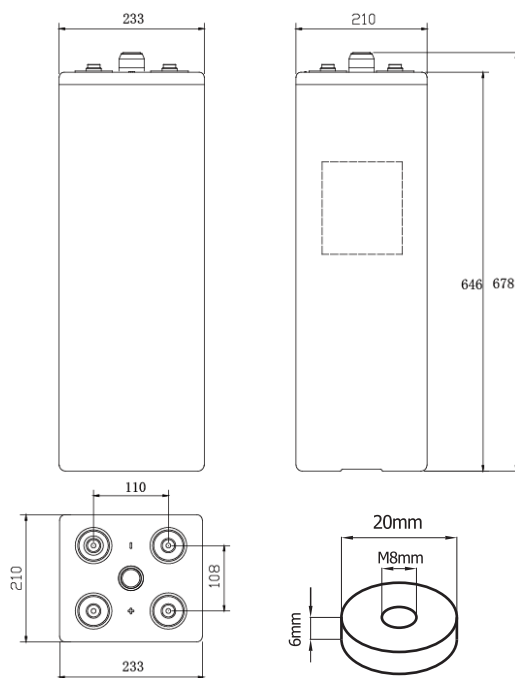




Jiangsu Oliter Energy Technology Co.,Ltd was founded in 1998,covered 250,000M<sup>2</sup>,annual throughput reaches 750000KVAH.Over the years ,Oliter is focusing on the integration of R&D,production,Marketing and application of VRLA,Gel battery,Lithium battery.By the support of South China Normal University,Xi'An JiaoTong University and Other scientific research institutes,Oliter has built up the post-doctoral workstations.Till now,Oliter has achieved 7 series,more than 100 models of batteries.Oliter has become the largest production base of solar energy storage battery in northern Jiangsu.

## LPbC1000-2 LEAD CARBON BATTERY



### Features

“Oliter” lead carbon battery ,Maintenance free and easy to use, Contemporary advanced technology research and development of new high-performance batteries,It can be widely used in solar energy , wind energy , telecommunication systems , off-grid systems , UPS and other fields.The designed life for the battery could be twenty years up for float use.

### Certificate

ISO9001  
ISO14001  
CE  
TLC  
High and New  
Technology Products  
Certification

Standards:  
GB/T 19638.2-2005  
YD/T799-2002  
JISC8704-2:1999

### Technology data

Rated Voltage	Capacity (10hr,1.8 0V/Cell)	Weight	Max Discharge Current	Max Charge Current	Self-Discharge (25℃)	Using Temperature	Cover Material
2V	1000Ah	80.0Kg	30I10A (3min)	≤0.25C10	<2%/month	20℃~30℃	ABS

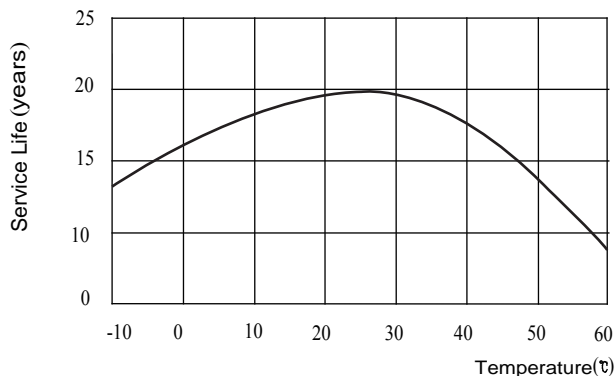
Using Temperature	Charge Voltage (25℃)	Charge Mode(25℃)	Cycle life	Capacity Affected by Temperature	Internal Resistance
Discharge:-40℃~55℃ Charge:-20℃~50℃ Storage:-20℃~40℃	Float Charge: 2.25V-2.3V Average Charge: 2.4V-2.45V	Float Charge:2.275±0.025V/Cell Temperature Compensation Coefficient:±3 mV/Cell ℃ Cycle Charge:2.45±0.05V/Cell Temperature Compensation Coefficient: ±5 mV/Cell ℃	80%DOD 3540times 50%DOD 4900times	105 % @ 40℃ 88 % @ 0℃ 65% @ -20℃	0.35mΩ



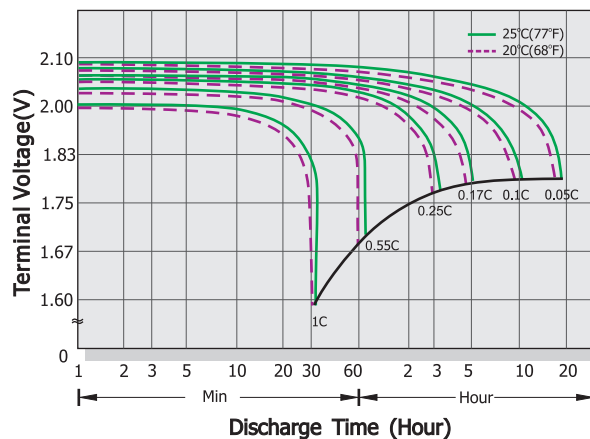


## Performance characteristics

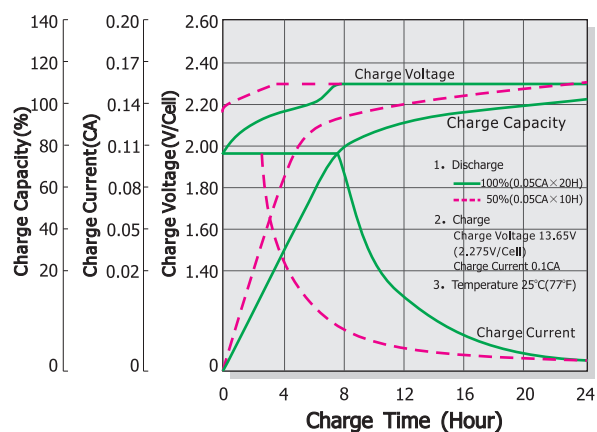
### Temperature and Service life



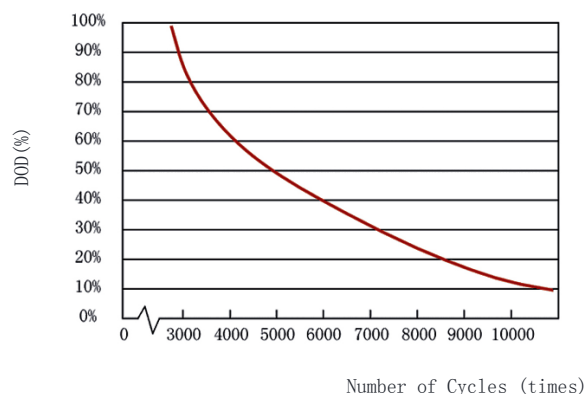
### Discharge characteristics at Various Rates(25℃/77°F)



### Constant-potential charge



### Cycle Service Life (25℃/77°F)



### Different discharge power at different terminal Voltage,discharge time(watt,25)

F.V/时间	15MIN	30MIN	1HR	2HR	3HR	5HR	10HR	20HR
1.70V	1827.5	1487.5	1152.5	677.5	533.8	366.3	197.5	112.1
1.75V	1682.5	1427.5	1105.0	660.0	521.3	361.3	195.0	110.4
1.80V	1490.0	1342.5	973.8	642.5	502.5	355.0	192.5	110.3
1.90V	1107.5	998.8	793.8	590.0	441.3	320.0	172.5	102.0

### Different discharge current at different terminal Voltage,discharge time(Amps,25)

F.V/时间	15MIN	30MIN	1HR	2HR	3HR	5HR	10HR	20HR
1.70V	1060.0	860.0	585.0	357.5	265.0	177.5	102.5	58.0
1.75V	940.0	802.5	560.0	347.5	260.0	176.3	101.3	57.6
1.80V	820.0	700.0	520.0	332.5	250.0	173.8	100.0	57.4
1.90V	520.0	490.0	390.0	275.0	215.0	155.0	88.8	52.6

**Note** The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice.

