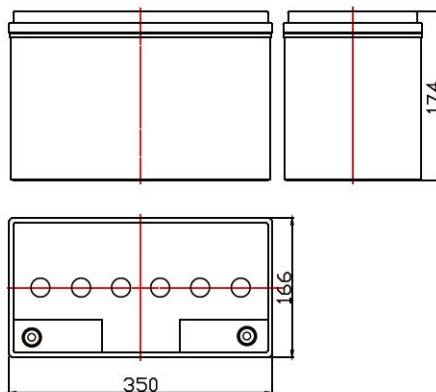




Jiangsu Oliter Energy Technology Co.,Ltd was founded in 1998,covered 42,000M2,annual throughput reaches 750000KVAH.Over the years ,Oliter is focusing on the integration of R&D,production,Marketing and application of VRLA,Gel battery,Lithium battery.By the support of South China Normal University,Xi'An 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.

## LCPC 65-12 GEL BATTERY



### Features

“Oliter” 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 eight years up for float use.

### Technology data

| Reted Voltage                                                | Capacity (10hr,1.8 0V/Cell)                             | Weight                                                                                                                     | Max Discharge Current | Max Charge Current                                        | Self-Discharge (25℃)                    | Recommended Using Temperature | Cover Material |
|--------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------|-----------------------------------------|-------------------------------|----------------|
| 12V                                                          | 65Ah                                                    | 19.2Kg                                                                                                                     | 30I10A (3min)         | ≤0.25C 10                                                 | <3%/month                               | 15℃~25℃                       | ABS            |
| Using Temperature                                            | Charge Voltage (25℃)                                    | Temperature Compensation Coefficient(25℃)                                                                                  |                       | Cycle life                                                | Capacity Affected by Temperature        |                               |                |
| Discharge: -45℃~50℃<br>Charge: -20℃~45℃<br>Storage: -30℃~40℃ | Float Charge: 13.4V-13.7V<br>Average Charge: 14.1-14.4V | Float Temperature Compensation Coefficient -3mV/Cell℃<br><br>Equalization Temperature Compensation Coefficient - 4mV/Cell℃ |                       | 100%DOD 572times<br>50%DOD 1422 times<br>30%DOD 2218times | 105 % @ 40℃<br>85 % @ 0℃<br>60 % @ -20℃ |                               |                |

### Certificate

ISO9001  
ISO14001  
CE  
CGC  
TLC

High and New Technology Products Certification

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

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

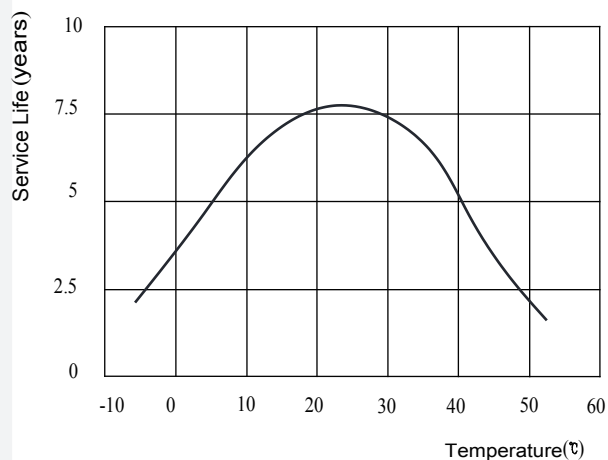
| Constant current discharge coefficient (25℃, A) |       |       |       |      |      |      |      |      |      |
|-------------------------------------------------|-------|-------|-------|------|------|------|------|------|------|
| Terminal Voltage (v/Cell)                       | 1H    | 3H    | 5H    | 10H  | 20H  | 50H  | 100H | 120H | 240H |
| 1.7                                             | 34.52 | 15.69 | 10.49 | 6.76 | 3.49 | 1.47 | 0.80 | 0.71 | 0.37 |
| 1.75                                            | 33.83 | 15.53 | 10.30 | 6.67 | 3.41 | 1.41 | 0.75 | 0.66 | 0.35 |
| 1.8                                             | 33.15 | 15.38 | 10.14 | 6.50 | 3.33 | 1.37 | 0.72 | 0.62 | 0.33 |
| 1.85                                            | 31.82 | 15.30 | 9.95  | 6.23 | 3.17 | 1.31 | 0.67 | 0.58 | 0.30 |
| 1.9                                             | 30.55 | 15.16 | 9.80  | 6.10 | 3.11 | 1.27 | 0.65 | 0.55 | 0.28 |
| 1.95                                            | 29.21 | 14.86 | 9.59  | 5.76 | 2.90 | 1.18 | 0.61 | 0.52 | 0.27 |



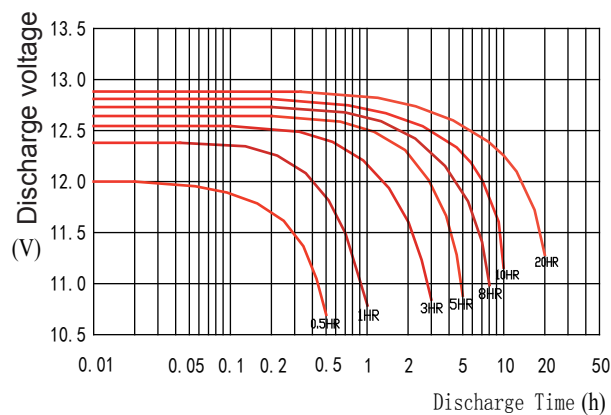


## Performance characteristics

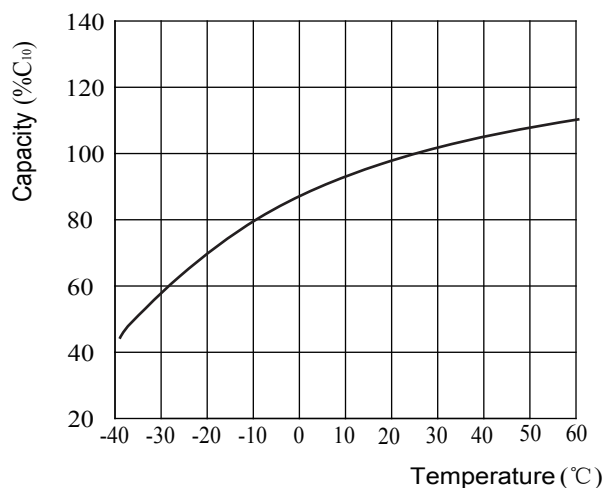
### Temperature and Service life



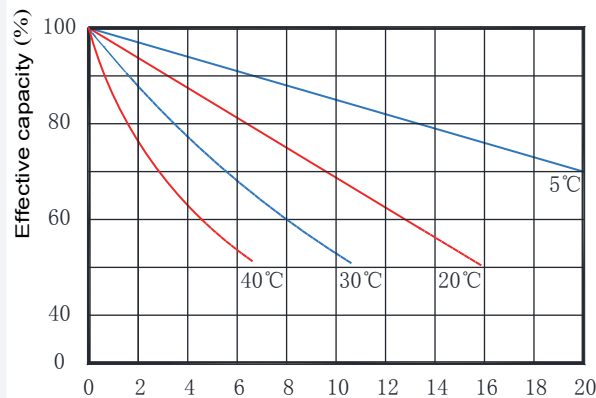
### Discharge characteristics at Various Rates (25°C/77°F)



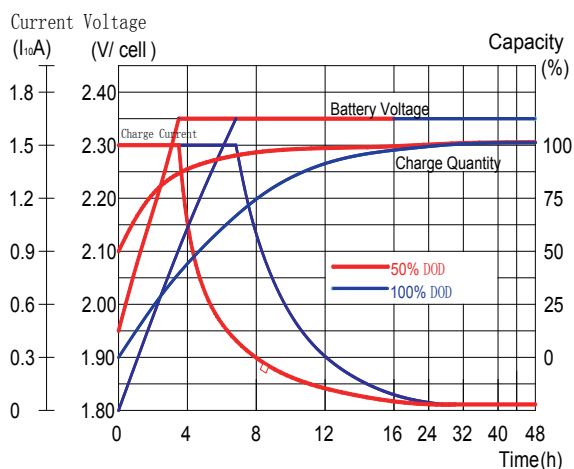
### Temperature and discharge capacity



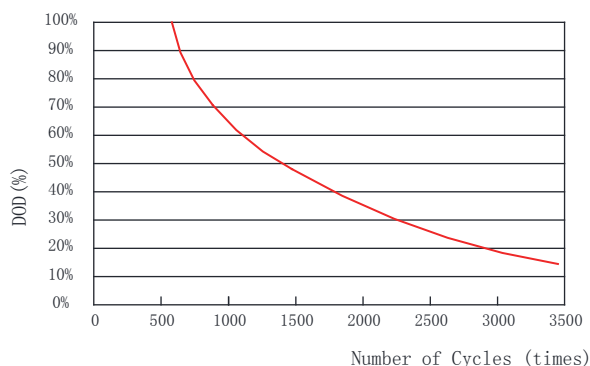
### self discharge parameters characteristics



### Constant-potential charge



### Cycle Service Life (25°C/77°F)



**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.

