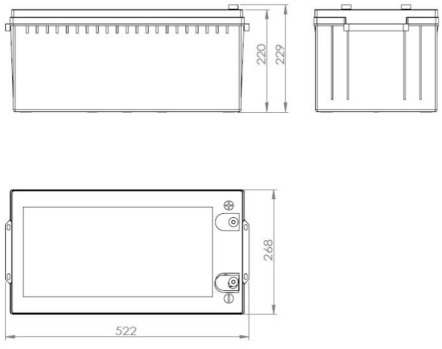
# LCPC 250-12 GEL BATTERY

H.POWER BGEL




## Features

,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,1.80V/Cell) | Weight | Max Discharge Current | Max Charge Current | Self-Discharge (25℃) | Recommended Using Temperature | Cover Material |
|---|---|---|---|---|---|---|---|
| 12V | 250Ah | 72Kg | 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:<br>13.4V-13.7V<br>Average Charge:<br>14.1-14.4V | Float Temperature Compensation Coefficient -3mV/Cell℃<br><br>Equalization Temperature Compensation Coefficient - 4mV/Cell℃ | 100%DOD<br>572times<br>50%DOD<br>1422 times<br>30%DOD<br>2218times | 105 % @ 40℃<br>85 % @ 0℃<br>60 % @ -20℃ |

## Certificate

ISO9001
ISO14001
CE
CGC
TLC
High and New Technology Products Certification

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

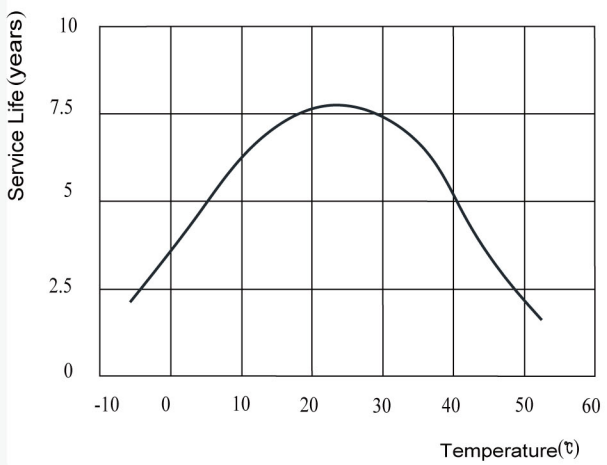
Constant current discharge coefficient（25℃， A）

| Terminal Voltage (v/Cell) | 1H | 3H | 5H | 10H | 20H | 50H | 100H | 120H | 240H |
|---|---|---|---|---|---|---|---|---|---|
| 1.7 | 132.75 | 60.35 | 40.33 | 26.02 | 13.44 | 5.65 | 3.07 | 2.72 | 1.43 |
| 1.75 | 130.10 | 59.73 | 39.62 | 25.65 | 13.13 | 5.43 | 2.87 | 2.53 | 1.33 |
| 1.8 | 127.50 | 59.17 | 39.00 | 25.00 | 12.81 | 5.25 | 2.75 | 2.37 | 1.27 |
| 1.85 | 122.40 | 58.83 | 38.25 | 23.97 | 12.19 | 5.03 | 2.57 | 2.22 | 1.15 |
| 1.9 | 117.52 | 58.32 | 37.68 | 23.47 | 11.98 | 4.88 | 2.48 | 2.12 | 1.08 |
| 1.95 | 112.35 | 57.15 | 36.90 | 22.17 | 11.15 | 4.53 | 2.35 | 2.02 | 1.03 |

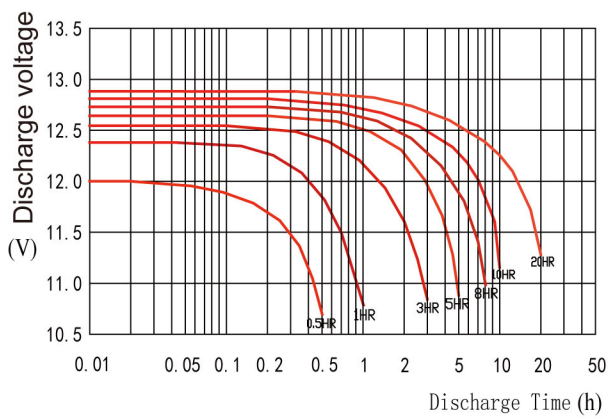
Pb Pb ISO9001:2008 ISO14001:2004 GB/T28001-2001 TLC 通信产品认证 生产许可 国家高新企业 国家金太阳优质供应商 国家免检产品 江苏省名牌产品

## Performance characteristics

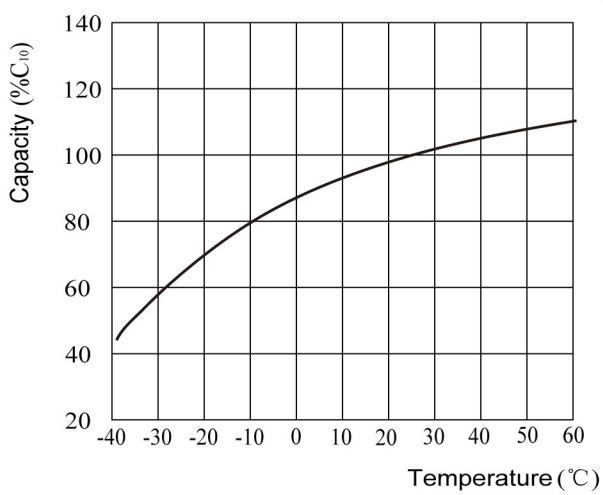
### Temperature and Service life



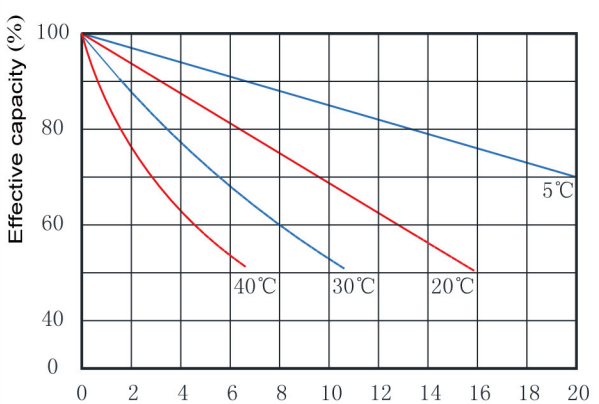

### Discharge characteristics at Various Rates (25℃/77℉)



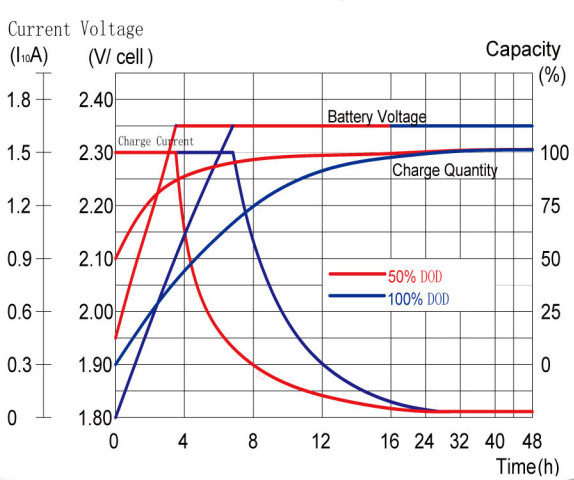

### Temperature and discharge capacity



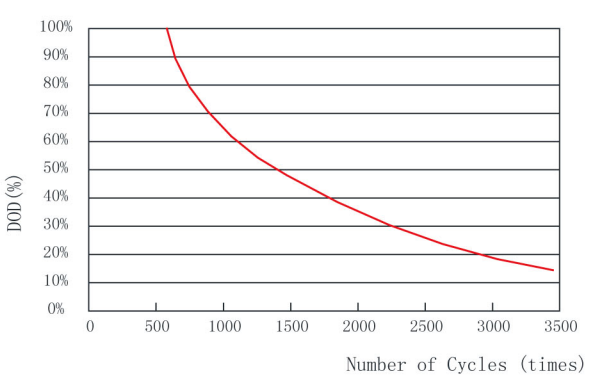

### self discharge parameters characteristics




### Constant-potential charge




### Cycle Service Life (25℃/77℉)




**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.