

## LCPC 200-12 GEL BATTERY



### 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.

### Certificate

ISO9001  
ISO14001  
CE  
CGC  
TLC

High and New Technology Products Certification

Standards:

GB/T 22473-2008  
GB/T 19638.2-2005  
YD/T799-2002

### Technology data

Reted Voltage	Capacity (10hr, 1.80V/Cell)	Weight	Max Discharge Current	Max Charge Current	Self-Discharge (25°C)	Recommended Using Temperature	Cover Material
12V	200Ah	58Kg	30I10A (3min)	≤0.25C10	<3%/month	15°C~25°C	ABS
Using Temperature	Charge Voltage (25°C)	Temperature Compensation Coefficient(25°C)		Cycle life	Capacity Affected by Temperature		
Discharge: -45°C~50°C Charge: -20°C~45°C Storage: -30°C~40°C	Float Charge: 13.4V-13.7V Average Charge: 14.1-14.4V	Float Temperature Compensation Coefficient -3mV/Cell°C  Equalization Temperature Compensation Coefficient -4mV/Cell°C		100%DOD 572times 50%DOD 1422 times 30%DOD 2218times	105 % @ 40°C 85 % @ 0°C 70 % @ -20°C		

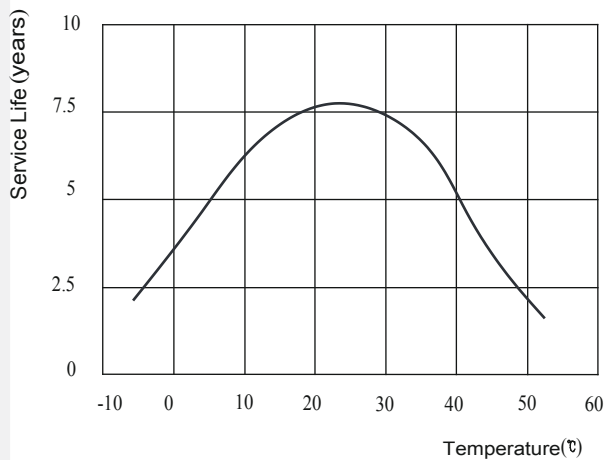
### Different discharge time at different terminal Voltage, discharge time(Amps, 25)

Constant current discharge coefficient (25°C, A)									
Terminal Voltage (v/Cell)	1H	3H	5H	10H	20H	50H	100H	120H	240H
1.7	106.20	48.28	32.27	20.81	10.75	4.52	2.45	2.17	1.15
1.75	104.08	47.79	31.69	20.52	10.50	4.35	2.29	2.03	1.07
1.8	102.00	47.33	31.20	20.00	10.25	4.20	2.20	1.89	1.01
1.85	97.92	47.07	30.60	19.17	9.75	4.03	2.05	1.77	0.92
1.9	94.01	46.65	30.15	18.77	9.58	3.91	1.99	1.69	0.87
1.95	89.88	45.72	29.52	17.73	8.92	3.63	1.88	1.61	0.83

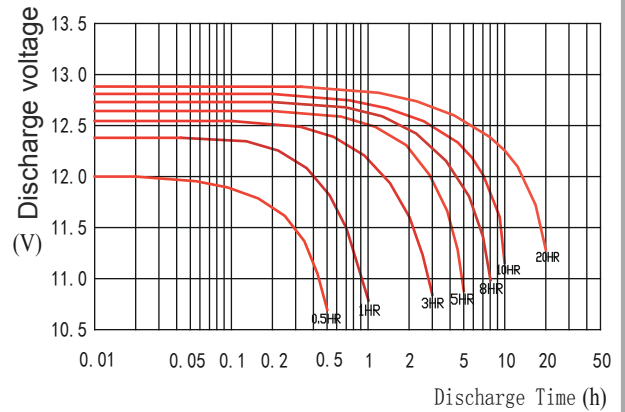


## Performance characteristics

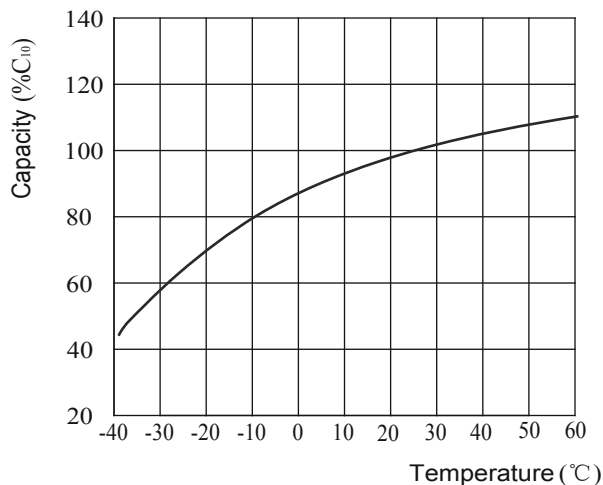
### Temperature and Service life



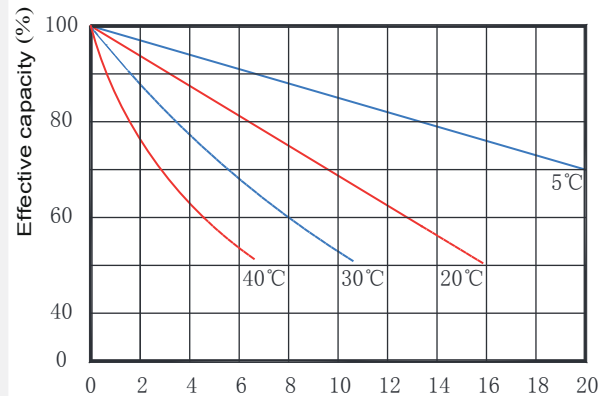
### Discharge characteristics at Various Rates (25°C/77°F)



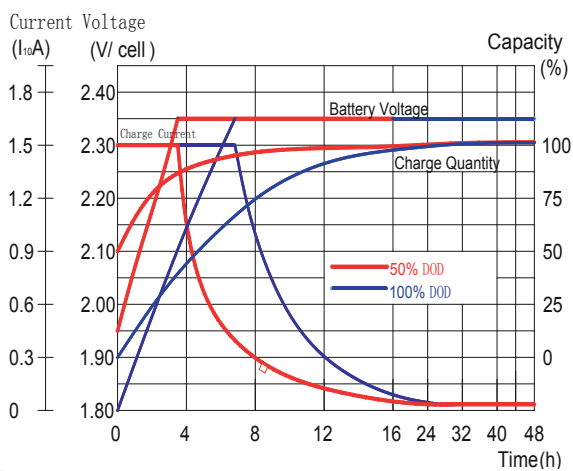
### Temperature and discharge capacity



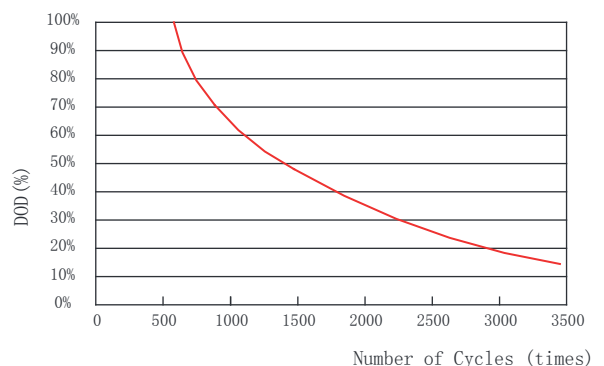
### self discharge parameters characteristics



### 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.

