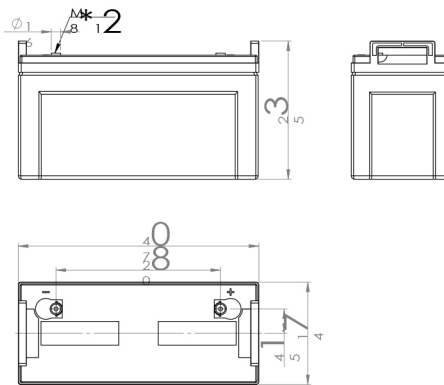


# LPbC100-12LEAD CARBON BATTERY

## Features

“luster” 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 ten years up for float use.



## Technology data

Rated Voltage	Capacity (10hr, 1.8 0V/Cell)	Weight	Max Discharge Current	Max Charge Current	Self-Discharge (25°C)	Using Temperature	Cover Material
12V	100Ah	34Kg	30I 10A (3min)	≤0.25C10	<2.5%/month	20°C~30°C	ABS
Using Temperature	Charge Voltage (25°C)	Cycle life			Capacity Affected by Temperature		
Discharge:-30°C~40°C Charge:-20°C~40°C Storage: -5°C~40°C	Float Charge: 13.5V-13.7V Average Charge: 14.1V-14.4V	100%DOD 890times 70%DOD 3380times 50%DOD 4390times			106% @ 40°C 82% @ 0°C 60% @ -20°C		

## Certificate

ISO9001  
 ISO14001  
 CE  
 TLC  
 High and New  
 Technology Products  
 Certification

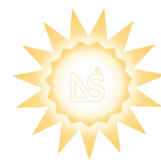
Standards:  
 GB/T 19638.2-2005  
 YD/T799-2002  
 JISC8704-2:1999

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

Constant current discharge coefficient (25°C, A)

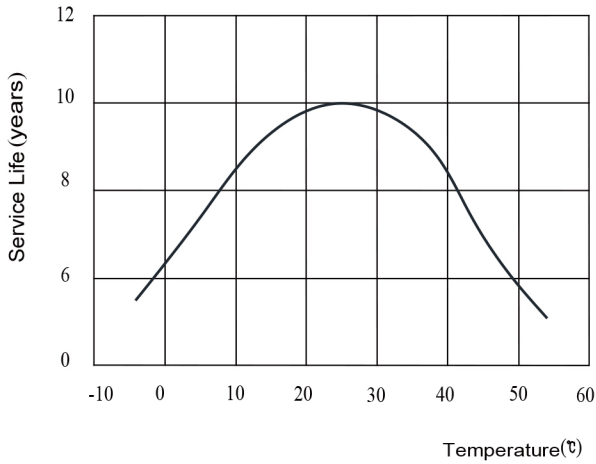
Terminal Voltage (v/Cell)	1H	3H	5H	10H	20H	50H	100H	120H	240H
1.7	53.10	24.14	16.13	10.41	5.38	2.26	1.23	1.09	0.57
1.75	52.04	23.89	15.85	10.26	5.25	2.17	1.15	1.01	0.53
1.8	51.00	23.67	15.60	10.00	5.13	2.10	1.10	0.95	0.51
1.85	48.96	23.53	15.30	9.59	4.88	2.01	1.03	0.89	0.46
1.9	47.01	23.33	15.07	9.39	4.79	1.95	0.99	0.85	0.43
1.95	44.94	22.86	14.76	8.87	4.46	1.81	0.94	0.81	0.41



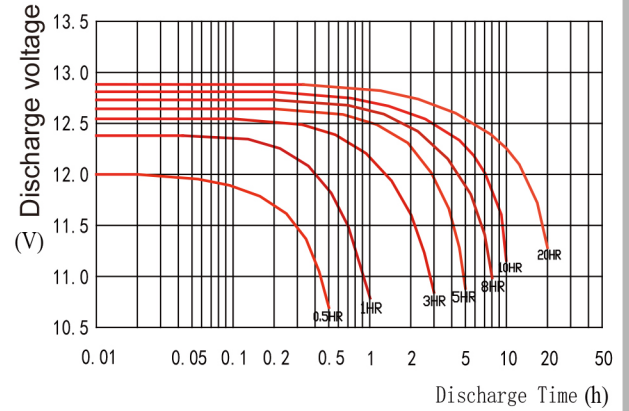


## Performance characteristics

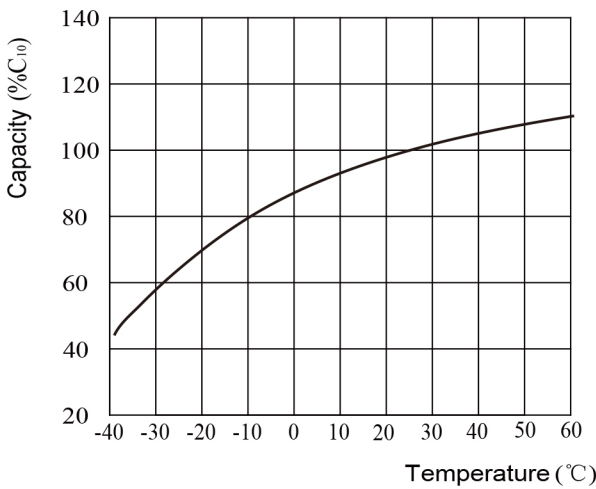
### Temperature and Service life



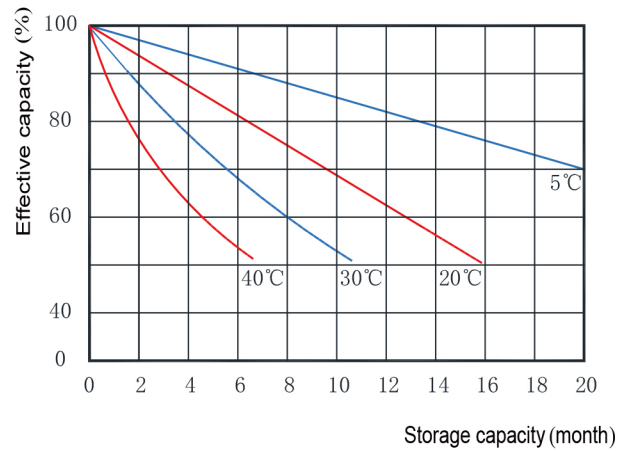
### Discharge characteristics at Various Rates (25°C/77°F)



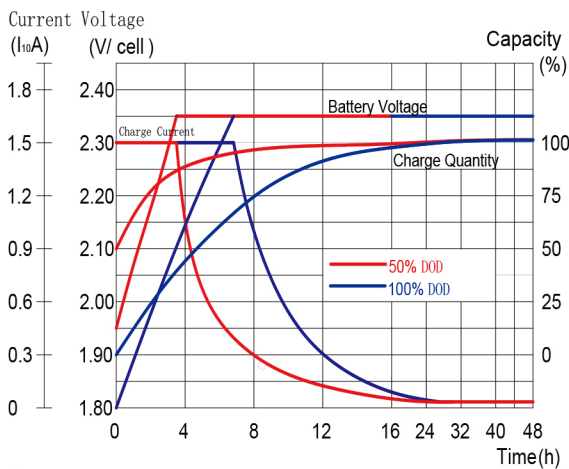
### Temperature and discharge capacity



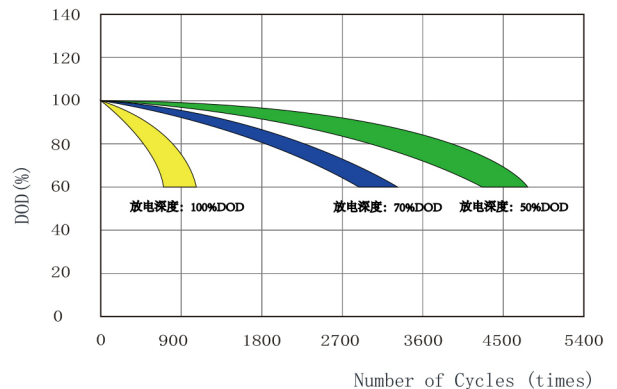
### self discharge parameters characteristics



### 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.

