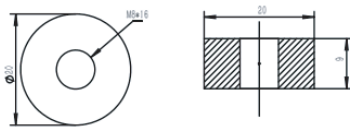
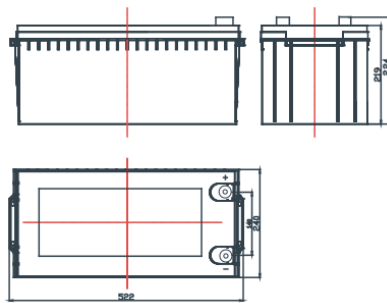


# LCPC 200-12

## GEL BATTERY

Bluesun founded in 2004, Bluesun ESS Co., Ltd is the subsidiary of Bluesun Group Co., Ltd, who is mainly for storage solutions like battery, hybrid inverter, ESS, All In One and solar micro grid projects. As a superior battery manufacturer, is focusing on the integration R&D, production, Marketing and application of VRLA, Gel battery, Lithium battery.



### Features

“Bluesun” 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

Rated Voltage	Capacity (10hr, 1.80V/Cell)	Weight	Max Discharge Current	Max Charge Current	Self-Discharge (25 °C)	Using Temperature	Cover Material
12V	200Ah	58Kg	30   10A (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 1422times 30%DOD 2218times	105% @ 40 °C 85% @ 0 °C 60% @ -20 °C

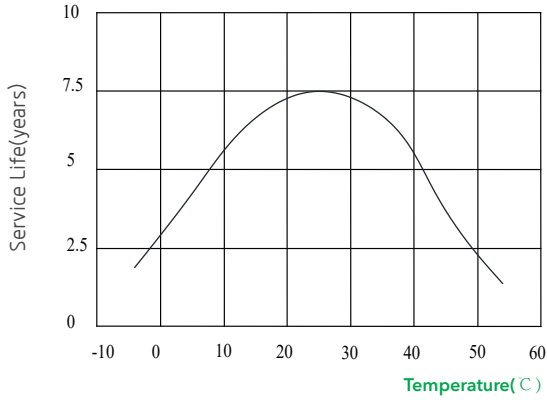
### Different discharge time at different terminal Voltage, discharge time (Amps, 25)

Constant current discharge coefficient (25 °C, A)

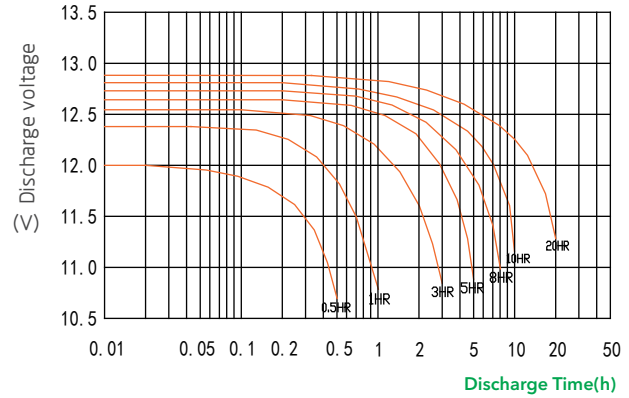
Terminal Voltage (V/Cell)	1H	3H	5H	10H	20H	50H	100H	120H	240H
1.7	106.20	48.28	32.27	20.81	10.75	4.52	2.45	2.17	1.15
1.75	104.08	47.96	31.69	20.52	10.50	4.35	2.29	2.03	1.07
1.8	102.00	43.33	31.20	20.00	10.25	4.20	2.20	1.89	1.01
1.85	97.92	47.07	30.60	19.17	9.75	4.03	2.05	1.77	0.92
1.9	94.01	46.65	30.15	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

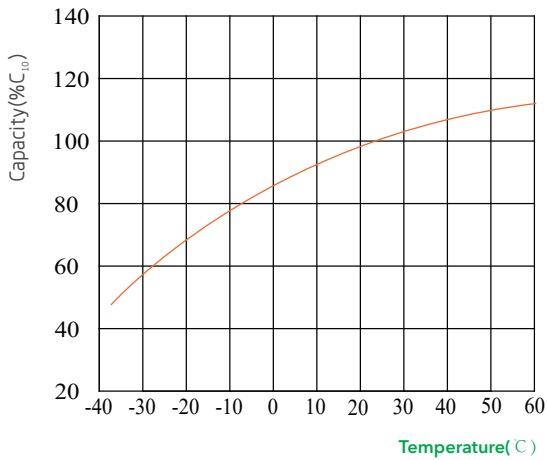
Temperature and Service life



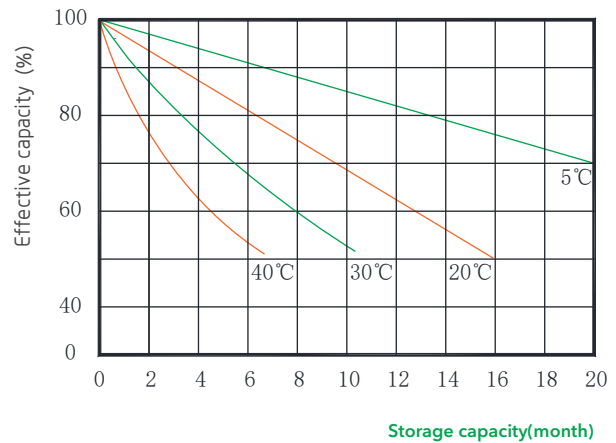
Discharge characteristics at Various Rates (25 C / 77 F)



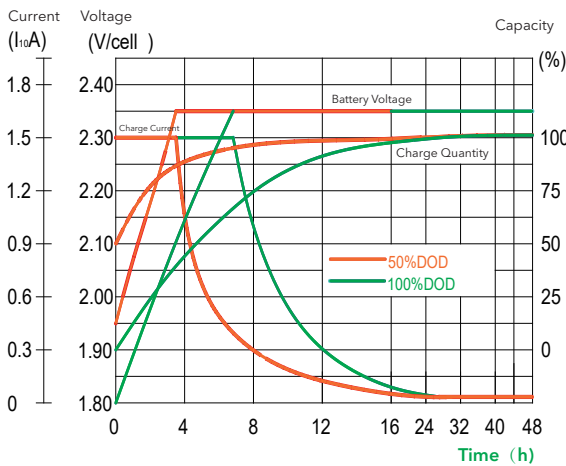
Temperature and discharge capacity



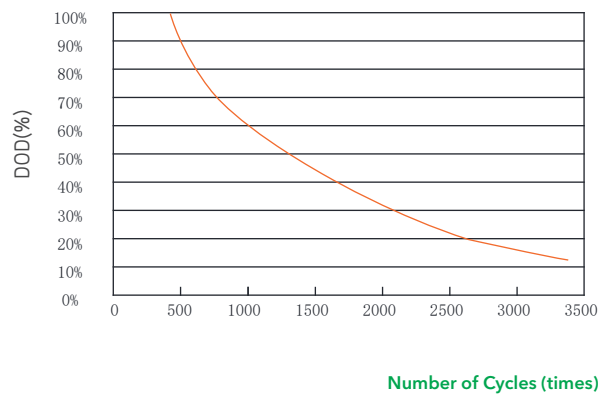
Self discharge parameters characteristics



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.

## Certificate

ISO9001 / ISO14001 / CE / CGC / TLC

High and New Technology  
Products Certification

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## Standards:

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