



LITHIUM IRON PHOSPHATE ENERGY STORAGE BATTERY

MODEL: SBM12.8LI200**NO:**

Container Color

Plane Chart:



PANTONE

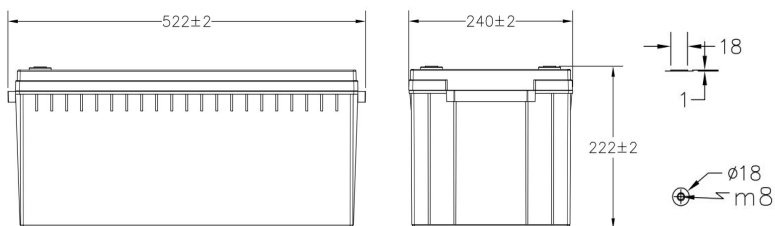
3516C

Black C

Terminal type LC5

120 A BMS

20250520 Time

CE
UN38.3

Function

(NO) Digital Display

(YES) Bluetooth

Product Size: 522*240*222 (mm)

Parameter Chart:

Rated Voltage	12.8	V
Rated Capacity(25°C)	200	Ah
Series & Parallels	4 ~ 1	S/P
Voltage Range	9.2 ~ 14.6	V
Rated Energy	2560	Wh
Maximum Discharge Current	120	A
Maximum Charge Current	120	A
Discharge cut-off voltage	≥ 9.2	V
Charge voltage	14.6	V
Cycle life(@25°C ,100%DOD)	≥ 4000	Cycle
Float Voltage	13.6 ~ 13.8	V
Operating humidity	60 ± 25%	R.H.
Certified	CE/UN38.3	
Communication	/	
Total Weight	Approx. 19.20 ± 0.10	Kg
Operating temperature	Charging 0 ~ 50°C Discharging -20 ~ 65°C	

Long-term Storage

After the battery is charged, it should be used as soon as possible to avoid loss of usable capacity due to self-discharge.

If storage is required, the battery needs to be stored in a low SOC state. The recommended storage conditions are: 20%~40%SOC, 0°C~35°C, relative humidity ≤60%.

Constant Current Discharge Characteristics (A, 25°C)

Time(h)	1.67	3.33	6.67	8.33	13.33	16.67	25.00	33.33
Current (A)	120.00	60.00	30.00	24.00	15.00	12.00	8.00	6.00

Constant Power Discharge Characteristics (Watt, 25°C)

Time(h)	1.67	3.33	6.67	8.33	13.33	16.67	25.00	33.33
Watt(W)	1536.0	768.0	384.0	307.2	192.0	153.6	102.4	76.80

Capacity Factors With Different Temperature

Discharge	-20	-10	0	10	20	25	30	40	50	55	60
	≥55	≥70	≥90	≥95	≥100	≥100	≥100	≥98	≥97	≥95	≥93

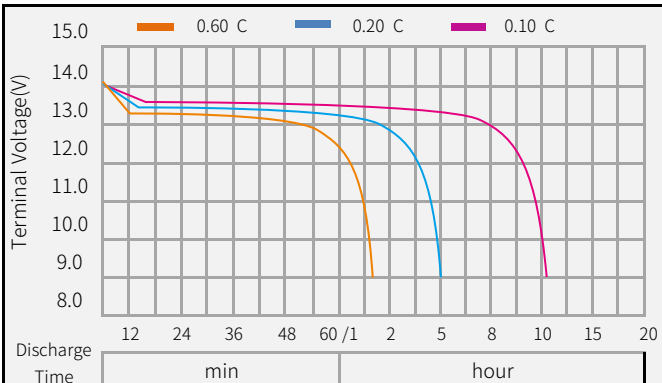
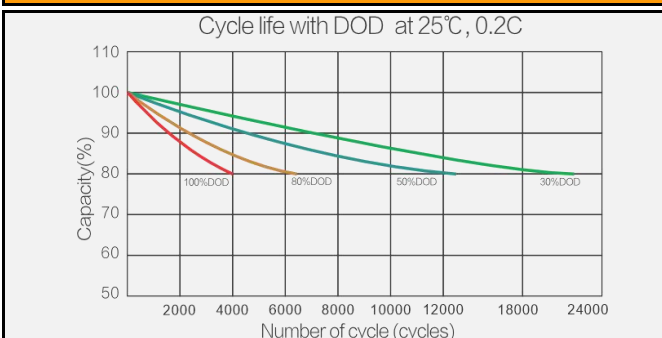
Matters needing attention

★ The above parameters are for reference only. The accurate parameters shall be based on the actual production order.

★ During usage, it is strictly prohibited to reverse the positive and negative terminals of the battery.

★ Please use a special charger for lithium-ion batteries when charging.

★ If series or parallel connection is required, please consult the agent or manufacturer.

Discharge Current 25°C**Cycle service life in relation to the depth of discharge****Charge and Discharge at 25°C,0.2C**