

Container Color		Plane Chart:		
	PANTONE			
	3516C			
	Black C			
	Terminal type			LC4
	50 A			BMS
20241023	Time	<b>CE</b> <b>UN38.3</b>		
Function				Product Size: 331*173*220mm
(NO) Digital Display	(YES) Bluetooth			

### Parameter Chart:

Rated Voltage	25.6	V
Rated Capacity(25°C)	50	Ah
Series & Parallels	8 ~ 1	S/P
Voltage Range	18.4 ~ 29.2	V
Rated Energy	1280	Wh
Maximum Discharge Current	50	A
Maximum Charge Current	50	A
Discharge cut-off voltage	≥ 18.4	V
Charge voltage	29.2	V
Cycle life(@25°C, 100%DOD )	≥ 3000	Cycle
Float Voltage	27.2 ~ 27.6	V
Operating humidity	60 ± 25%	R.H.
Certified	CE/UN38.3	
Communication	/	
Total Weight	Approx. 11.25 ± 0.10	Kg
Operating temperature	Charging 0 ~ 45°C Discharging -20 ~ 55°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)	1.00	2.00	4.00	5.00	8.00	10.00	15.00	20.00
Current (A)	50.00	25.00	12.50	10.00	6.25	5.00	3.33	2.50

### Constant Power Discharge Characteristics (Watt, 25°C)

Time(h)	1.00	2.00	4.00	5.00	8.00	10.00	15.00	20.00
Watt (W)	1280.00	640.00	320.00	256.00	160.00	128.00	85.33	64.00

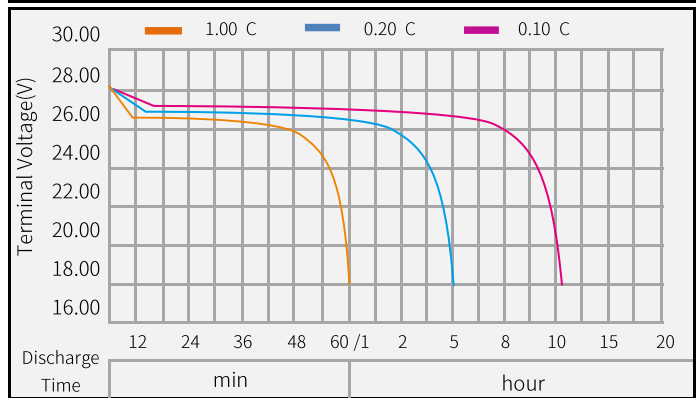
### Capacity Factors With Different Temperature

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

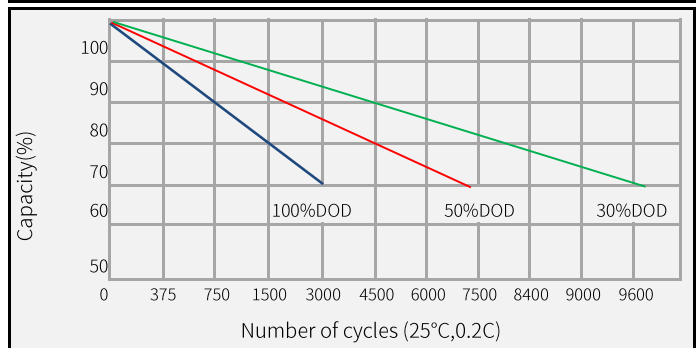
### Matters needing attention

- ★ 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

