
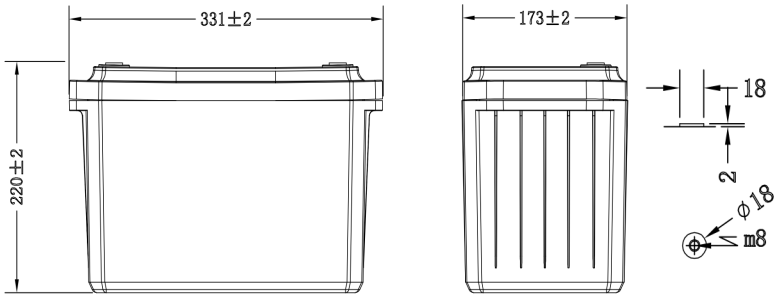



# LITHIUM IRON PHOSPHATE ENERGY STORAGE BATTERY

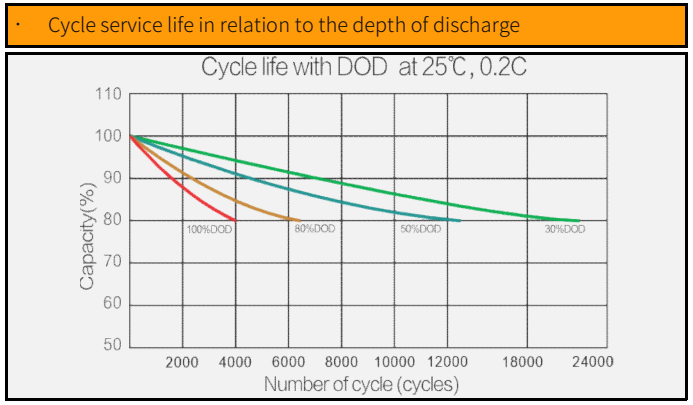
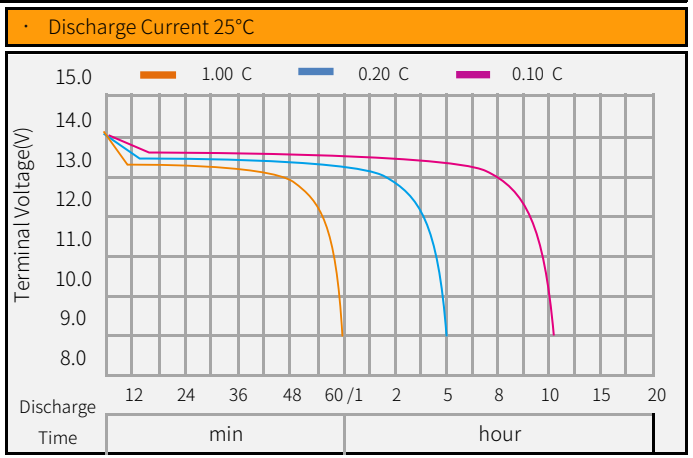
**MODEL: CNLFP100-12.8-BT**

**NO: 5143102150061-00104**

Container Color		Plane Chart:	
	PANTONE		
		3516C	
		Black C	
	Terminal type	LC4	
	100 A	BMS	
	20260316	Time	
			
Function	(NO) Digital Display	(YES) Bluetooth	Product Size: 331*173*220 (mm)

Parameter Chart:

Rated Voltage	12.8	V
Rated Capacity(25°C)	100	Ah
Series & Parallels	4 ~ 1	S/P
Voltage Range	9.2 ~ 14.6	V
Rated Energy	1280	Wh
Maximum Discharge Current	100	A
Maximum Charge Current	100	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	Bluetooth	
Total Weight	Approx. 10.05 ± 5%	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.

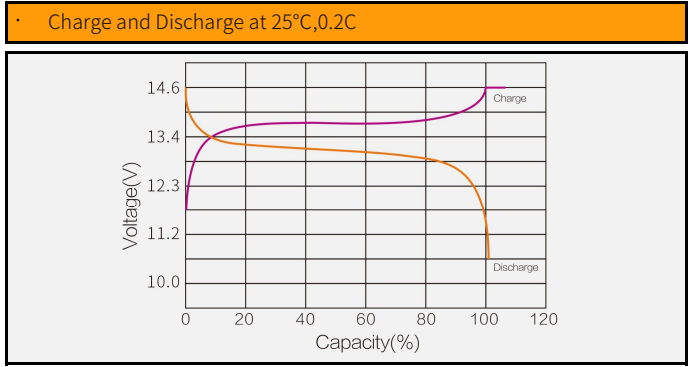
If storage is required, the battery needs to be stored in a low SOC state. The recommended storage conditions are: 20%~40%SOC, 0°C~35°C, relative humidity ≤60%.

Constant Current Discharge Characteristics (A, 25°C)

Time(h)	1.00	2.00	4.00	5.00	8.00	10.00	15.00	20.00
Current (A)	100.00	50.00	25.00	20.00	12.50	10.00	6.67	5.00

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)	1280.0	640.0	320.0	256.0	160.0	128.0	85.3	64.0



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.