




LITHIUM IRON PHOSPHATE ENERGY STORAGE BATTERY

MODEL: CNLFP100-12.8

NO.: 302150061-20140437

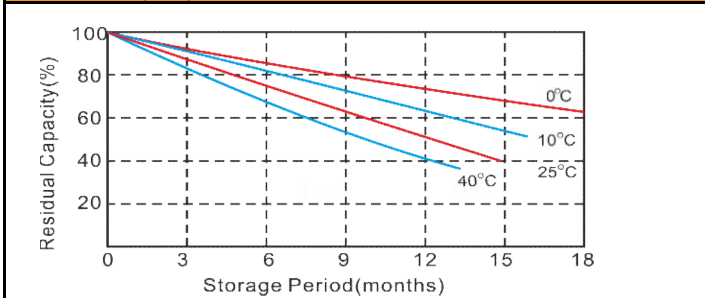
	Container Color	PANTONE	Plane Chart:	
		3516C	331±2	173±2
		Black C	220±2	
	Terminal type	LC4		
	100 A	BMS		
	20230914	Time		
	CE			
	UN38.3			

Function	(NO) Digital Display	(NO)Bluetooth	Product Size: 331*173*220 (mm)
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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	/	
Total Weight	Approx. 10.10	Kg(±0.6)
Operating temperature	Charging 0 ~ 45°C Discharging -10 ~ 50°C	

Residual Capacity



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)

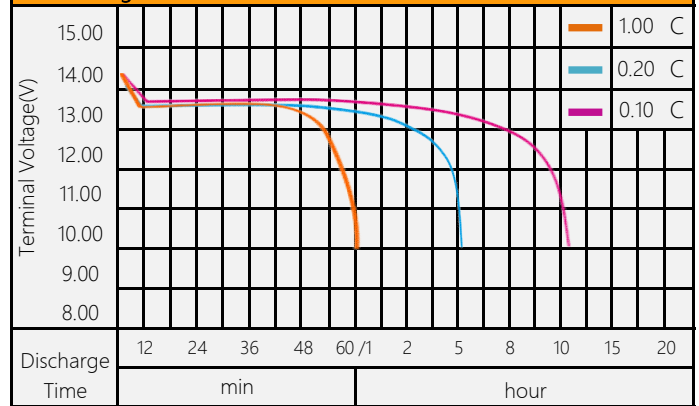
Time(h)	1.00	2.00	4.00	5.00	8.00	10.00	15.00	20.00
Watt (W)	1280.0	640.00	320.00	256.00	160.00	128.0	85.33	64.00

Capacity Factors With Different Temperature

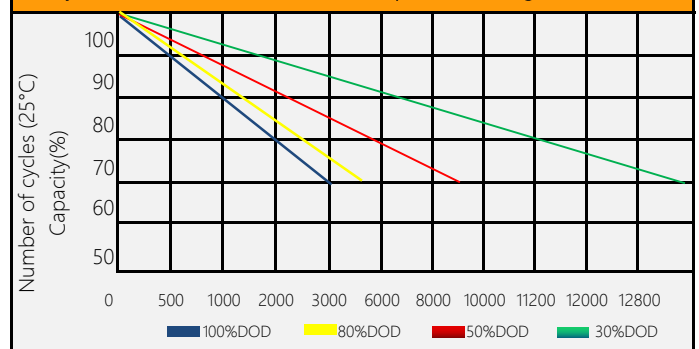
Discharge	-20	-10	0	10	20	25	30	40	50	55	60
	30%	50%	75%	90%	100%	100%	100%	98%	97%	96%	95%

★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

Discharge Current 25°C



Cycle service life in relation to the depth of discharge



Constant voltage charging characteristics

