



LITHIUM IRON PHOSPHATE ENERGY STORAGE BATTERY

MODEL: CNLFP300-12.8

NO.: 302150061-201400012

Container Color

PANTONE

Plane Chart:



3516C

Black C

Terminal type

LC5

120 A

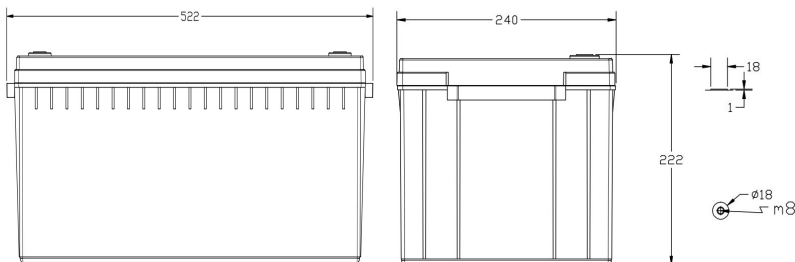
BMS

20230426

Time



UN38.3



Function

(NO) Digital Display

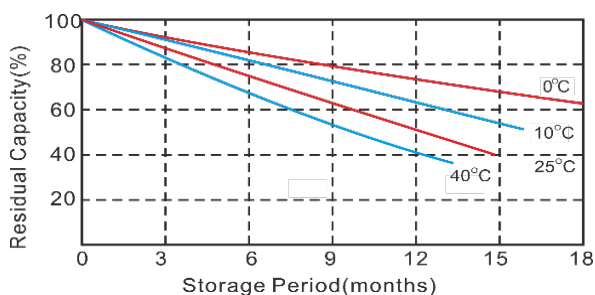
(ON)Bluetooth

Product Size: 522*240*222 (mm)

Parameter Chart:

Rated Voltage	12.8	V
Rated Capacity(25°C)	250	Ah
Series & Parallels	4 ~ 2	S/P
Voltage Range	9.2 ~ 14.6	V
Rated Energy	3200	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)	≥ 2000	Cycle
Float Voltage	13.6 ~ 13.8	V
Operating humidity	60 ± 25%	R.H.
Certified	CE/UN38.3	
Communication	/	
Total Weight	Approx. 28.30	Kg(±1.5)
Operating temperature	Charging 0 ~ 45°C Discharging -10 ~ 50°C	

Residual Capacity



Constant Current Discharge Characteristics (A, 25°C)

Time(h)	2.08	4.17	8.33	10.42	16.67	20.83	31.25	41.67
Current (A)	120.0	60.0	30.0	24.0	15.0	12.0	8.0	6.0

Constant Power Discharge Characteristics (Watt, 25°C)

Time(h)	2.08	4.17	8.33	10.42	16.67	20.83	31.25	41.67
Watt (W)	1536.0	768.0	384.0	307.2	192.0	153.6	102.4	76.8

Capacity Factors With Different Temperature

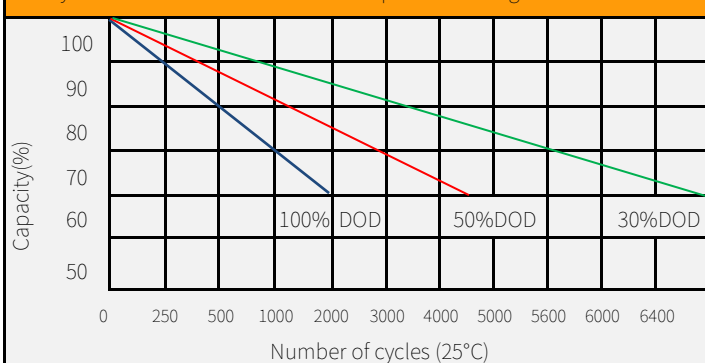
Discharge	-20	-10	0	10	20	25	30	40	50	55	60
	30%	50%	75%	90%	100%	100%	100%	98%	97%	96%	95%

★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

