



DIGITAL SCREEN INTELLIGENT STORAGE LITHIUM BATTERY - CYLINDRICAL BATTERY

MODEL: CNLFP100-12(DS)

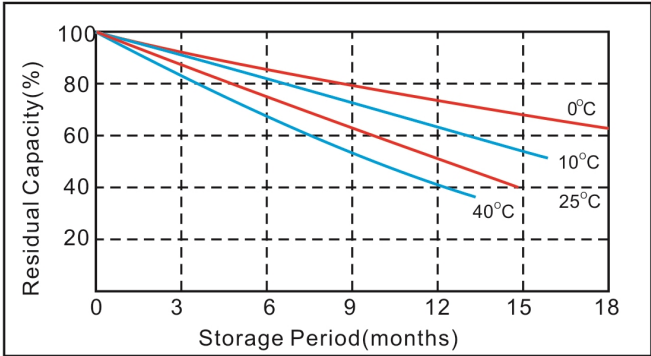
NO.:302150061-00001



Parameter Chart:

Volts		12V	
Capacity(25°C)		10 hours rate (10A)	100Ah
Internal Resistance		Full Charged Battery 25°C	≤30mΩ
Capacity Affected By Temperature		40°C	101%
		25°C	100%
		0°C	93%
		-20°C	65%
Residual Capacity (25°C)		Capacity After 3 Months Storage	87%
		Capacity After 6 Months Storage	74%
		Capacity After 12 Months Storage	50%
Charge (Constant Voltage)	Cycle (25°C)	Initial Charging Current Less Than 30A Voltage 14.4~15.0V	
	Float (25°C)	Charge Voltage 13.6~13.8V	
Discharge Current (25°C)		60A (Max. continuous); 90A (5 Seconds)	
Weight (Approx)			11.30Kg

Residual Capacity



Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	1.6h	2h	2.5h	3h	5h	8h	10h	21h
10V	60	50	40	33.33	20	12.5	10	5

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	1.6h	2h	2.5h	3h	5h	8h	10h	21h
10V	720	600	480	400	240	150	120	60

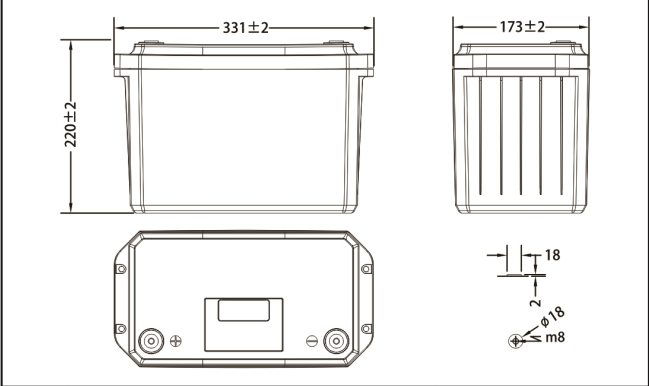
Capacity Factors With Different Temperature

Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Li Battery	12V	65%	82%	93%	95%	97%	100%	100%	100%	101%	102%

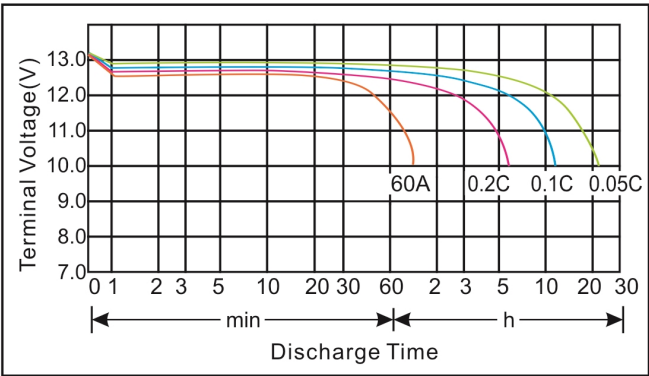
★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

Plane Chart:

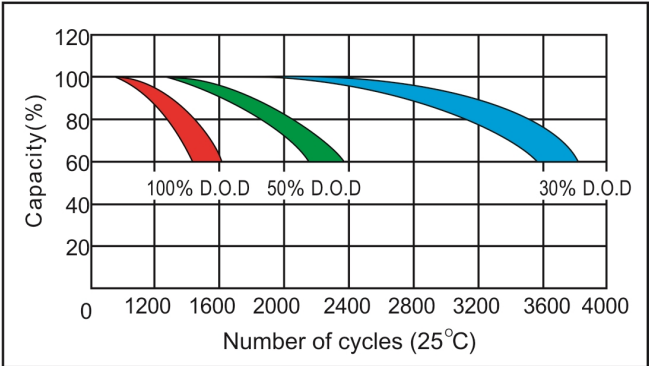
Unit:(mm) Terminal type:(LC4)



Discharge Current 25°C



Cycle service life in relation to the depth of discharge



Constant voltage charging characteristics

