



MODEL: CNLF75-12

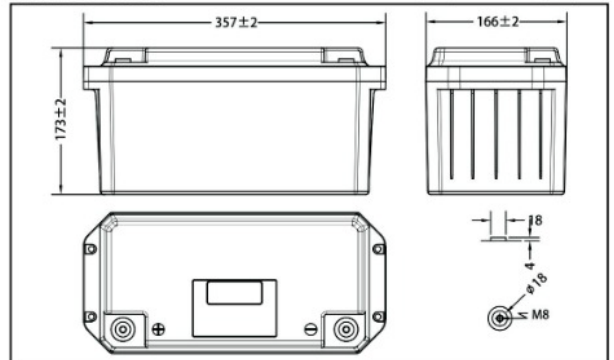
NO:302150061-00003



Container Color
■ Black C

Plane Chart:

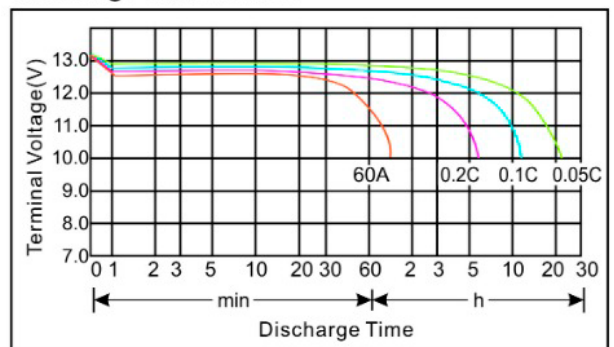
Unit:(mm) Terminal type:(LC4)



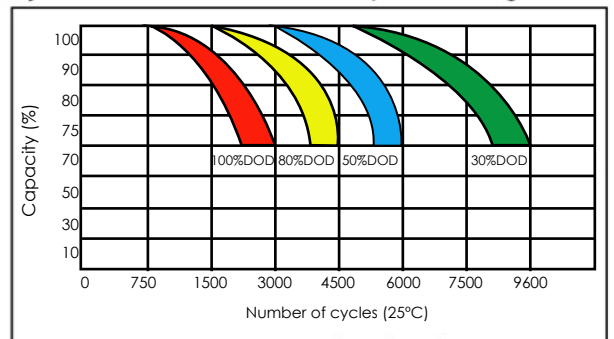
Parameter Chart:

Volts		12V
Capacity(25°C)	10 hours rate (7.5A)	75Ah
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)		9.30Kg

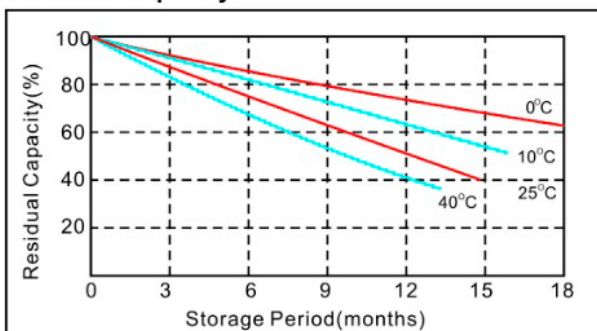
Discharge Current 25°C



Cycle service life in relation to the depth of discharge



Residual Capacity



Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	1.2h	2h	2.5h	3h	5h	8h	10h	21h
10V	60	37.5	30	25	15	9.375	7.5	3.75

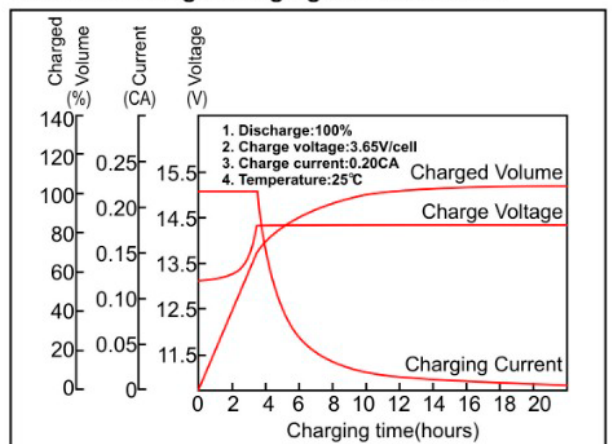
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	1.2h	2h	2.5h	3h	5h	8h	10h	21h
10V	720	450	360	300	180	113	90	45

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%

Constant voltage charging characteristics



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

MODEL: CNLFP100-12

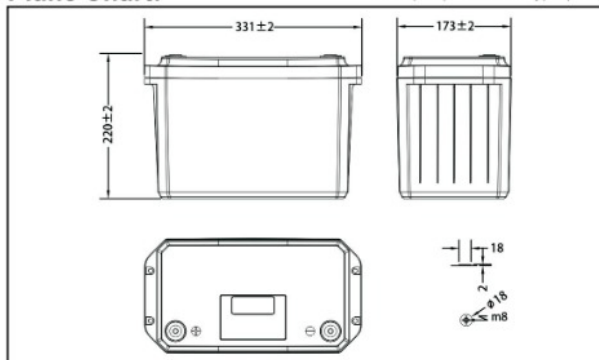
NO:302150061-00004



Container Color
■ Black C

Plane Chart:

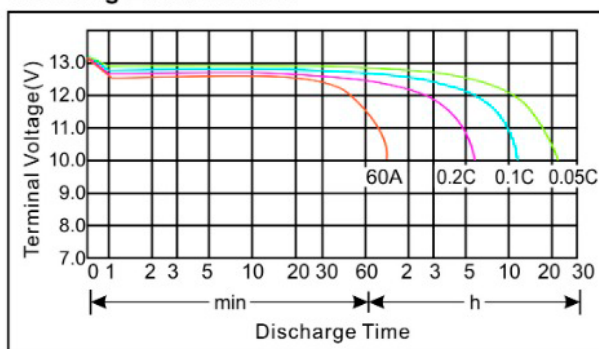
Unit:(mm) Terminal type:(LC4)



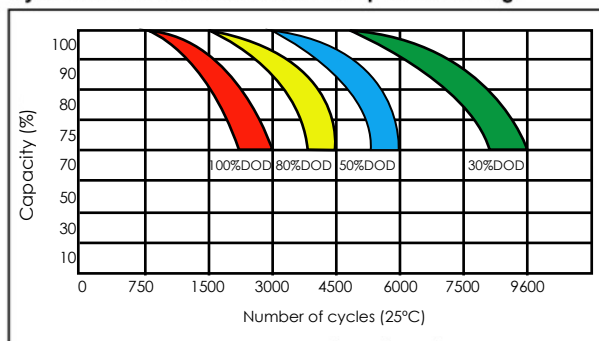
Parameter Chart:

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

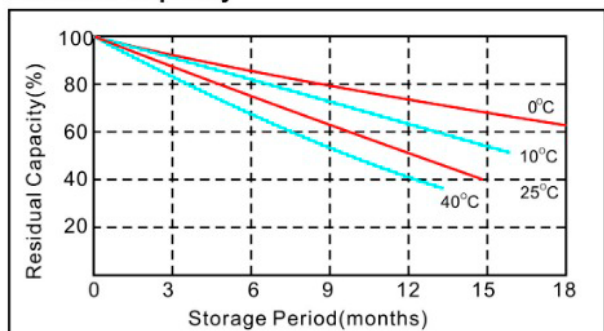
Discharge Current 25°C



Cycle service life in relation to the depth of discharge



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

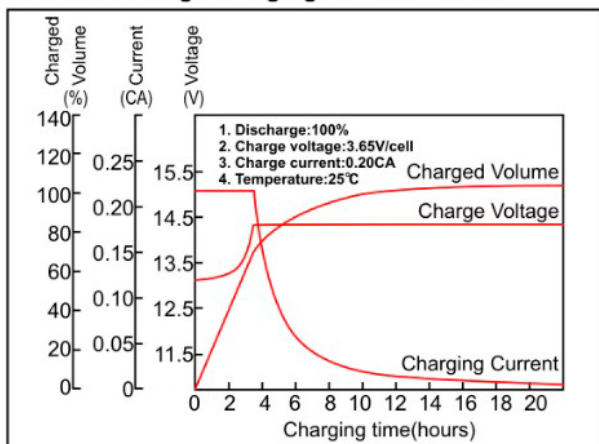
Constant Power Discharge Characteristics (Watt, 25°C)

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%

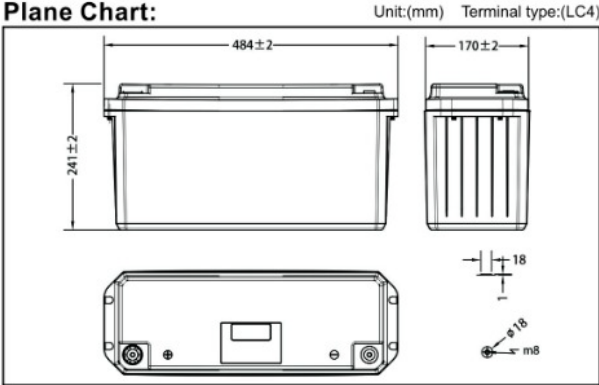
Constant voltage charging characteristics



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

MODEL: CNLFP150-12

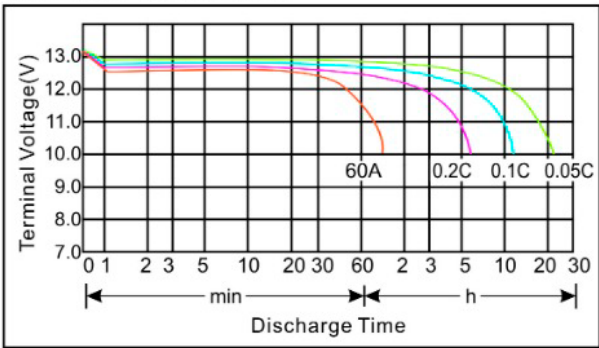
NO:302150061-00027



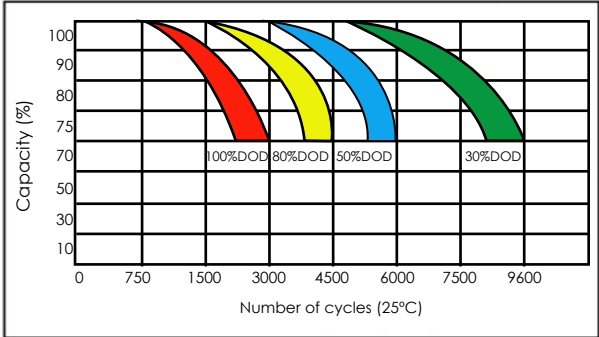
Parameter Chart:

Volts		12V
Capacity(25°C)	10 hours rate (15A)	150Ah
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)		18.25Kg

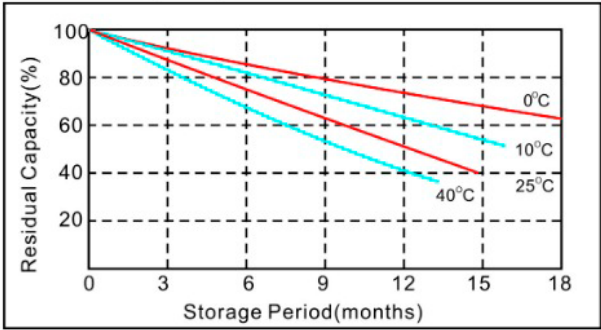
Discharge Current 25°C



Cycle service life in relation to the depth of discharge



Residual Capacity



Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	2.5h	3h	3.5h	4h	5h	8h	10h	21h
10V	60	50	42.86	37.5	30	18.75	15	7.5

Constant Power Discharge Characteristics (Watt, 25°C)

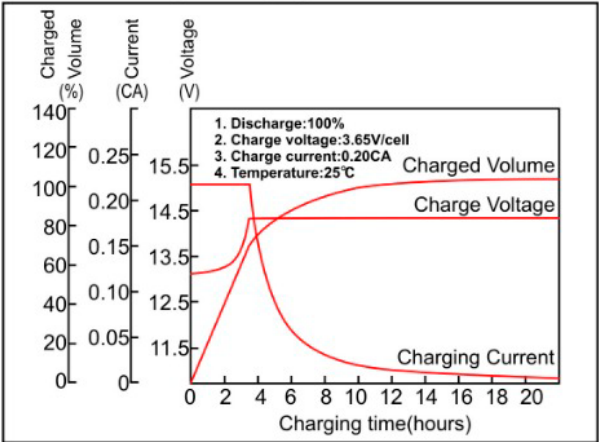
F.V/Time	2.5h	3h	3.5h	4h	5h	8h	10h	21h
10V	720	600	514	450	360	225	180	90

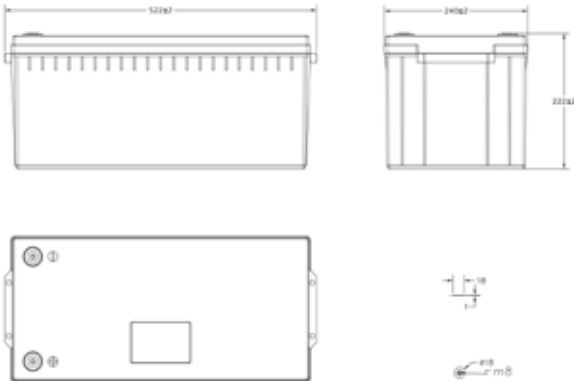
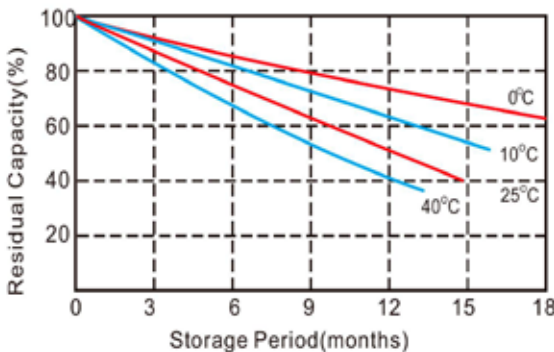
Capacity Factors With Different Temperature

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.

Constant voltage charging characteristics



Model: TB24-120 LiFePO4 (DS)				ON: 302150036-00041 L173F125A							
Container color		Black C		Plane chart	Unit: (mm)	Terminal type	LC5				
											
Parameter chart											
Volts	24		V								
Capacity	10 hours rate 12.00 A	120.0	Ah								
Internal Resistance	Full Charged Battery 25°	≤ 30	mΩ								
Protection	Intelligent BMS System										
Capacity Affected By Temperature	60°C	≥ 98%									
	25°C	≥ 100%									
	0°C	≥ 75%									
	-10°C	≥ 50%									
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) 25°C	Standard Current 0.2C	24	A								
	Max. Current 0.5C	60	A								
	Max. Voltage	28.8 ~ 29.2	V								
	Float Voltage	27.2 ~ 27.6	V								
Discharge Current (25°C)	Standard Current 0.25C	30	A								
	Max. Current	60	A								
Weight (Approx)	23		KG								
Residual Capacity											
											
Constant Current Discharge Characteristics (A, 25°C)											
H/V/A	2.00	3.00	5.00	8.00	10.00	15.00	20.00	30.00			
	18.40	60.00	40.00	24.00	15.00	12.00	8.00	4.00			
Constant Power Discharge Characteristics (Watt, 25°C)											
H/V/W	2.00	3.00	5.00	8.00	10.00	15.00	20.00	30.00			
	18.40	1536.0	1024.0	614.4	384.0	307.2	204.8	153.6	102.4		
Capacity Factors With Different Temperature											
Discharge	-20°	-10°	0°	5°	10°	15°	20°	25°	30°	40°	60°
	30%	50%	75%	85%	90%	99%	100%	100%	100%	99%	98%
* The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.											

