

INTELLIGENT LITHIUM BATTERY FOR ENERGY STORAGE

Model: PN MS100-12(L)

Container color

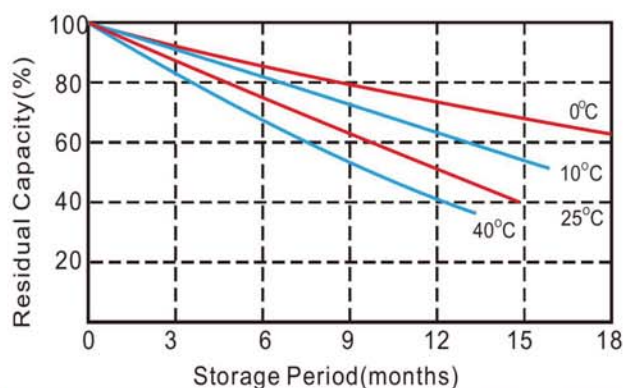
Black C



Parameter chart

Volts	12.8	V
Capacity	10 hours rate 10.00 A	100.0 Ah
Internal Resistance	Full Charged Battery 25°C	≤ 30 mΩ
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	20 A
	Max.Current 0.5C	50 A
	Max.Voltage	14.4 ~ 14.6 V
	Float Voltage	13.6 ~ 13.8 V
Discharge Current (25°C)	Standard Current 0.25C	25 A
	Max.Current 1C	100 A
Weight (Approx)	11.22	KG

Residual Capacity



Constant Current Discharge Characteristics (A, 25°C)

H/V/A	1.00	3.00	5.00	8.00	10.00	15.00	20.00	30.00
9.20	100.00	33.33	20.00	12.50	10.00	6.67	5.00	3.33

Constant Power Discharge Characteristics (Watt, 25°C)

H/V/W	1.00	3.00	5.00	8.00	10.00	15.00	20.00	30.00
9.20	1280.0	426.7	256.0	160.0	128.0	85.3	64.0	42.7

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%

ON: 0

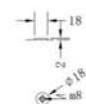
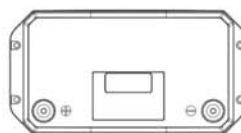
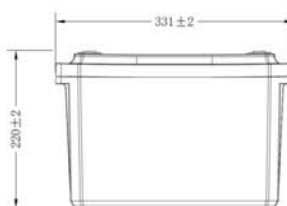
GF100

Plane chart

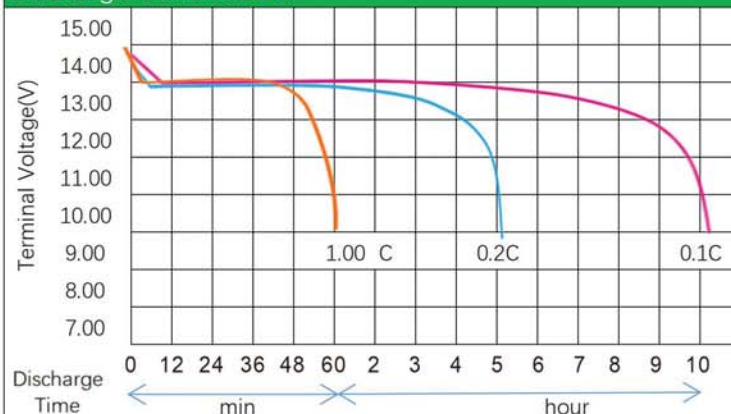
Unit:(mm)

Terminal type

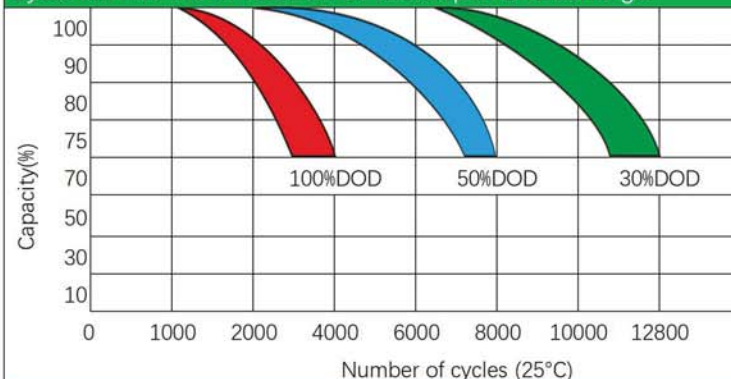
LC4



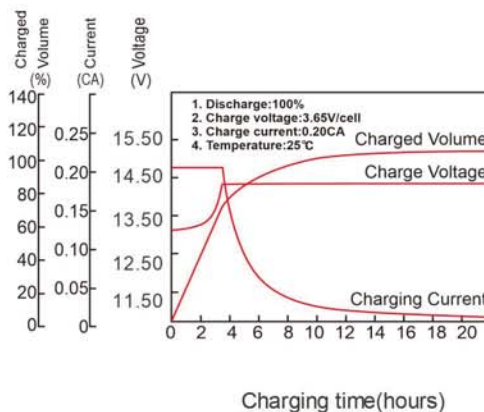
Discharge Current 25°C



Cycle service life in relation to the depth of discharge



Constant voltage charging characteristics



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