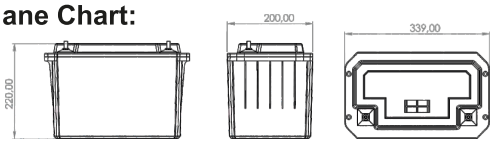
MEGACELL
LITHIUM BATTERY

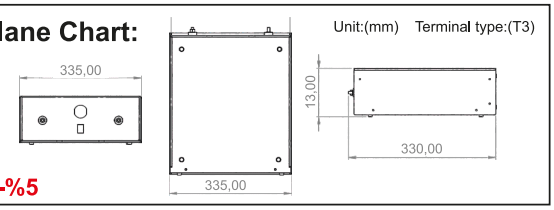
12.8 V 100 Ah LiFePO4

- **Extremely durable and reliable**
- **High charging efficiency with high current**
- **Improved cycle life performance**
- **Improved 100% Domestic BMS Technology**
- **Vibration resistant** (suitable for mobile applications)
- **Series and parallel connection capability**

Plane Chart: ABS



Plane Chart: Unit:(mm) Terminal type:(T3)

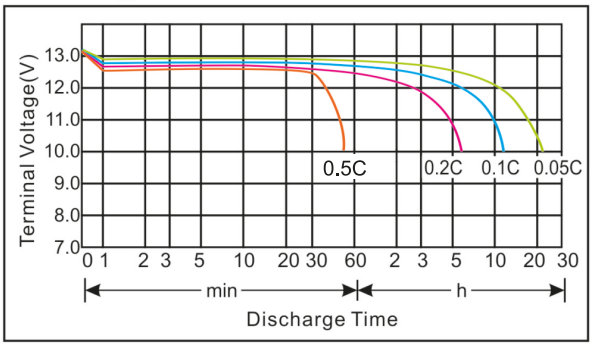


+-%5

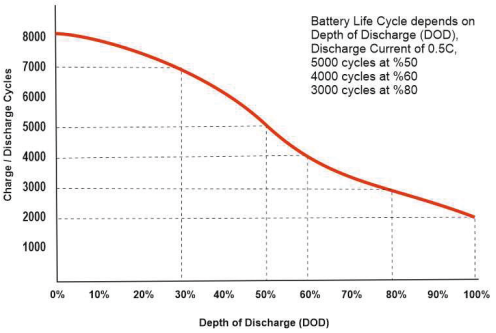
Parameter Chart:

Volts	12V	
Capacity(25°C)	10 hours rate (10A)	100Ah
Internal Resistance	Full Charged Battery 25°C	⩽20mΩ
Capacity Affected By Temperature (at 0.5C)	40°C	101%
	25°C	100 %
	0°C	93 %
	-20°C	80 %
Residual Capacity (25°C)	Capacity After 3 Months Storage	91 %
	Capacity After 6 Months Storage	82 %
	Capacity After 12 Months Storage	60 %
Charge (Constant Voltage)	Cycle (25°C)	Recomended Initial Charging Current Less Than 30A Voltage 14,2 - 14,6 V
Discharge Current (25°C)	50A (Max. continuous) ; 100A (5 Seconds)	
Weight (Approx)	12 kg +/- %10	

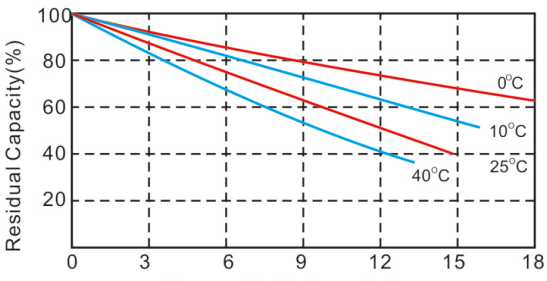
Discharge Current 25℃



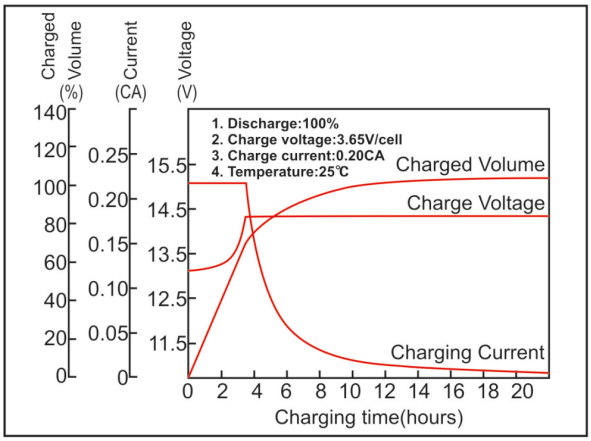
Cycle service life in relation to the depth of discharge



Residual Capacity



Constant voltage charging characteristics



Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	1h	2h	3h	4h	5h	8h	10h	20h
10V	100	50	33.3	25	20	12.5	10	5

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	1h	2h	3h	4h	5h	8h	10h	20h
10V	1200	600	400	300	240	150	128	64

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	73%	82%	93%	95%	97%	100%	100%	100%	101%	102%

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

V201902