



MEGACELL

LITHIUM BATTERY

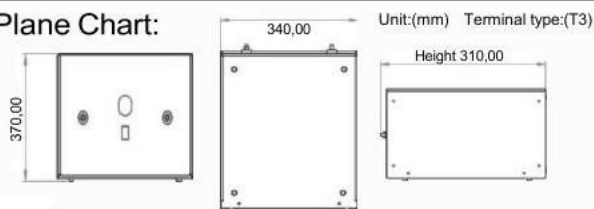


ÜRÜN KODU: MEGA630

12.8 V 630Ah LiFePO4

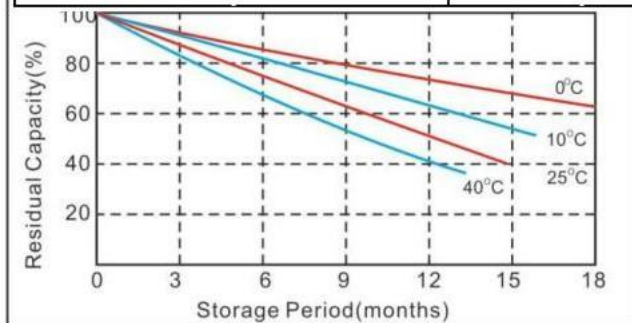
- Extremely durable and reliable
- High charging efficiency with high current
- Improved cycle life performance
- Improved 100% Domestic BMS Technology
- Vibration resistant (suitable for mobile applications)
- Series and parallel connection capability

Plane Chart:



Parameter Chart:

Volts		12.8 V with 400 A BMS	
Capacity (25°C)		10 Hours Rate (63 A)	
Internal Resistance		Fully Charged Battery 25°C	
Capacity Affected By Temperature	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)	Recommended Initial Charging Current: Less Than 200 A Charging Voltage: 14.2 - 14.6 V	
Discharge Current (25°C)		180 A (Max. Continuous)	
Weight (Approx.)		51 kg +/-10%	



Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	2h	3h	4h	5h	8h	10h	20h
10V	100	66.7	50	40	25	20	10
	315	210	157.5	126	78.75	63	31.5

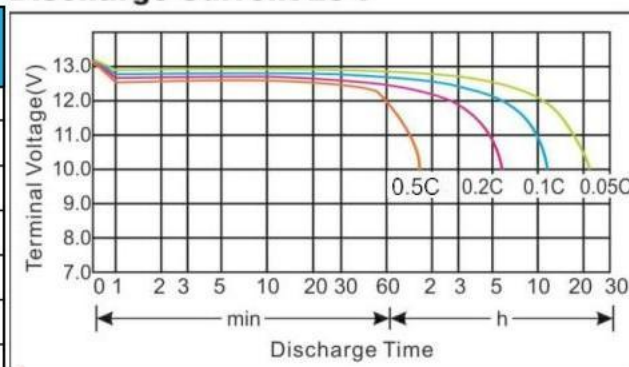
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	2h	3h	4h	5h	8h	10h	20h
10V	1200	800	600	480	300	256	128
	4032	2688	2016	1612.8	1008	806.4	403.2

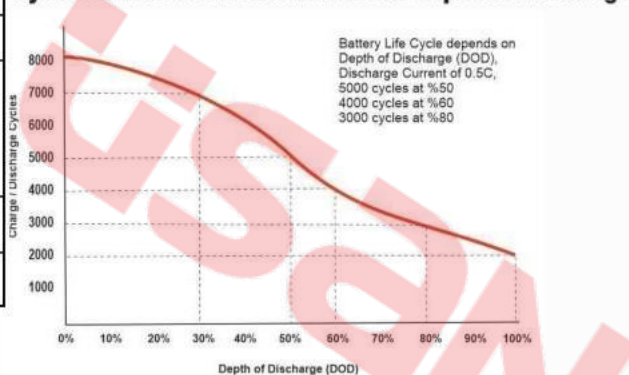
Capacity Factors With Different Temperature

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%	101%	102%

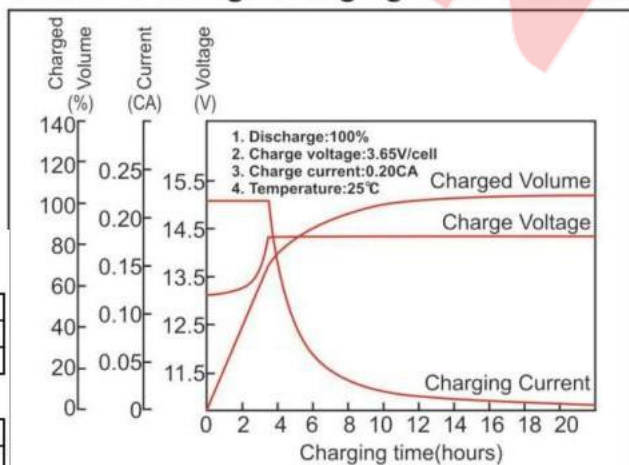
Discharge Current 25°C



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.