



CYNETIC LITHIUM PRISMATIC 12 100A

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	100 Ah
Capacity at 25 °C	240 min
Energy	1280 Wh
Resistance	55 mΩ
Self Discharge	<3% per Month
Maximum Modules in Parallel or Series	4

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	100 A
Peak Discharge Current	200 A
PC / Discharge Cut-Off Voltage	280 A (±50 A)
Recommended Low Voltage Disconnect	11 V
PCM Discharge Voltage Cut-Off	8 V
Reconnect Voltage	9.2 V
Short Circuit Protection	Yes

TEMPERATURE SPECIFICATIONS

Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Charge Temperature	32 to 131 °F (0 to 55 °C)
Storage Temperature	-4 to 140 °F (-20 to 60 °C)
PCM High Temperature Cut-Off	176 °F (80 °C)

DIMENSIONAL SPECIFICATIONS

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	329 x 172 x 223 mm
Weight	26 lbs (11.9 kg)
Terminal Type	M8
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP66
Chemistry	LiFePO ₄

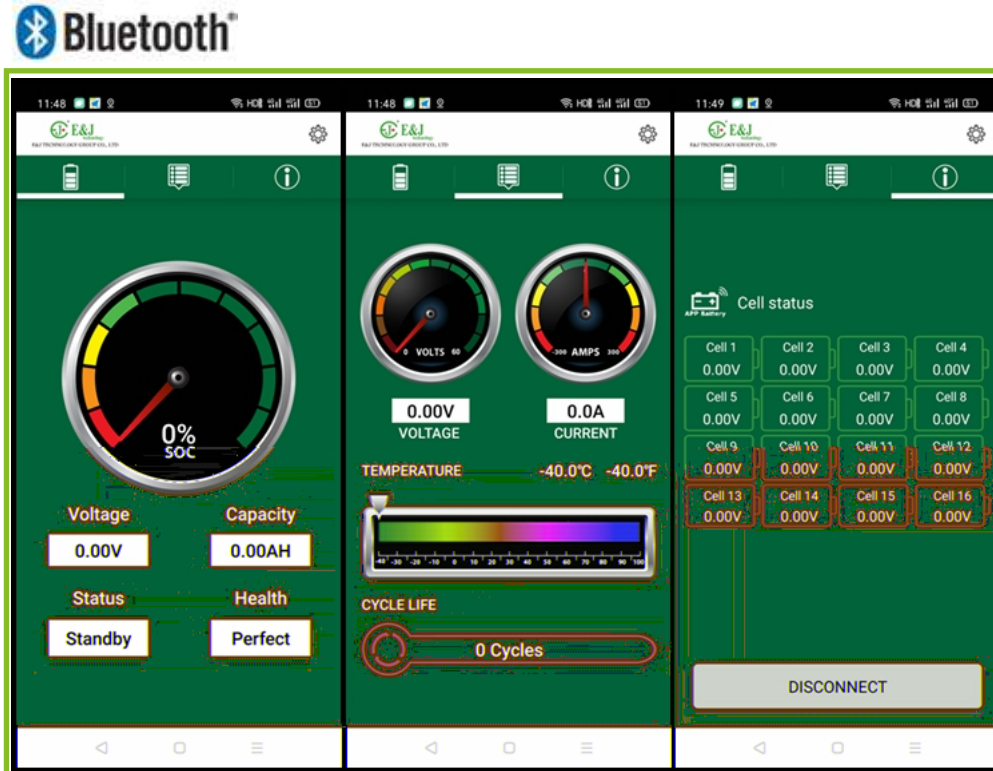
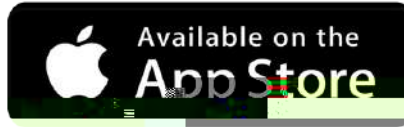
CHARGE SPECIFICATIONS

Recommended Charge Current	50 A
Maximum Charge Current	80 A
Recommended Charge Voltage	14.2 V - 14.6 V
PCM Charge Voltage Cut-Off	15.6 V
Reconnect Voltage	15.2 V
Balancing Voltage	14.4 V

BLUETOOTH INTERFACE

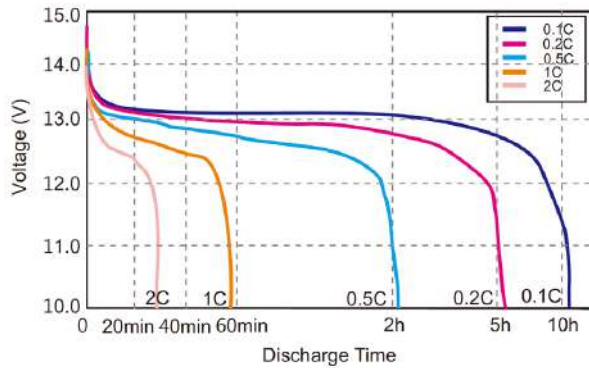
BATTERY APP

Connect the battery via Bluetooth to your smartphone (iOS/Android).
The battery app will display real-time data on the interface of the app:
State of charge, voltage, capacity, temperature, cycle life, ...

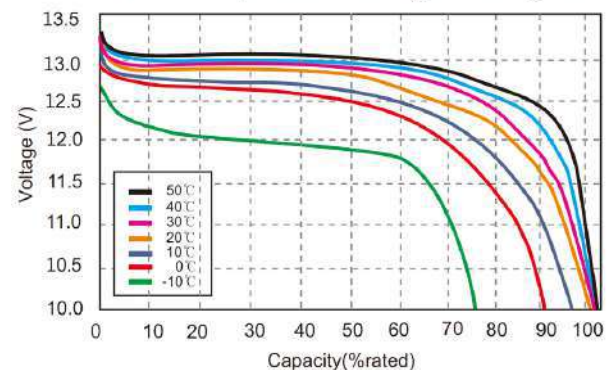


PERFORMANCE GRAPHICS

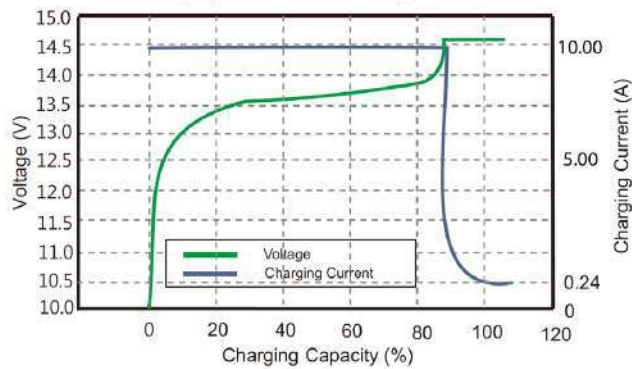
Different Rate Discharge Curve @25°C



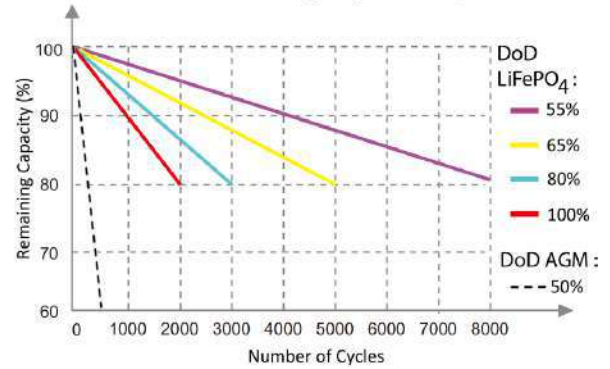
Different Temperature Discharge Curve @0.5C



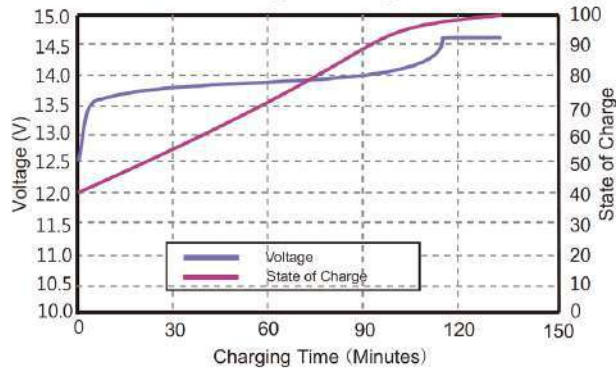
Charging Characteristics @0.5C 25°C



Different DoD Discharge Cycle Life @1C



State of Charge Curve @0.5C 25°C



Different Temperature Self Discharge Curve

