

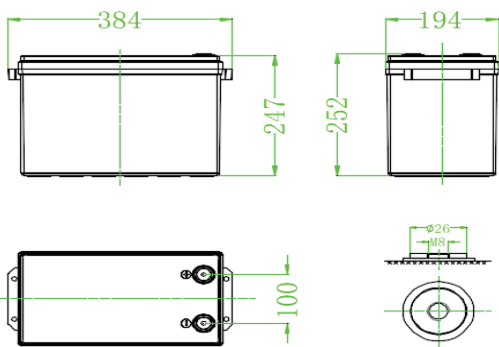
BG-12150

12V 150Ah^{LiFePO4}

Lithium Iron Phosphate
Deep Cycle Battery



Physical Dimension-mm



Specification

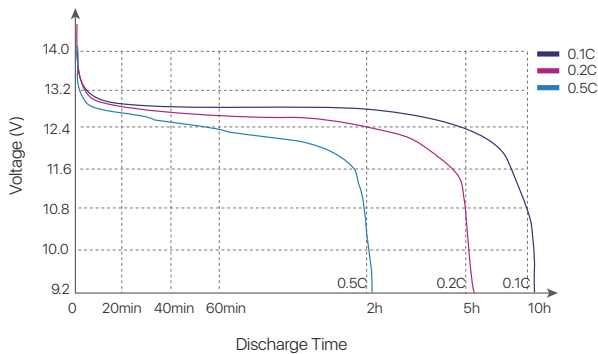
Nominal Voltage	12.8V
Nominal Capacity	150Ah / 1920Wh
BMS	Bluetooth with Smartphone App
Cycle Life	>4000 cycles @0.5C / 80%DOD
Months Self Discharge	<3%
Eciency of Charge	100% @0.5C
Eciency of Discharg	96~99% @0.5C
Charge Voltage	14.2~14.6V
Charge Mode	0.2C to 14.6V, then change to 0.02C (CC/CV)
Recommended Charge Current	100A
Max. Charge Current	100A
Charge Cut-off Voltage	14.6V±0.2V

Max. Continuous Discharge Current	150A
Peak Discharge Current	450A±160A (0.5-1.5S)
Discharge Cut-off Voltage	10V±0.5V
Charge Temperature	0°C~55°C @60±25% Relative Humidity
Discharge Temperature	-20°C~60°C @60±25% Relative Humidity
Storage Temperature	-20°C~45°C @60±25% Relative Humidity
Protection Class	IP65
Approx. Dimensions	384*194*255mm
Approx. Weight	16kg
Terminal	M8
Maximum Modules in SParallel	4S4P
Monitoring Option	Heating and Active equalization

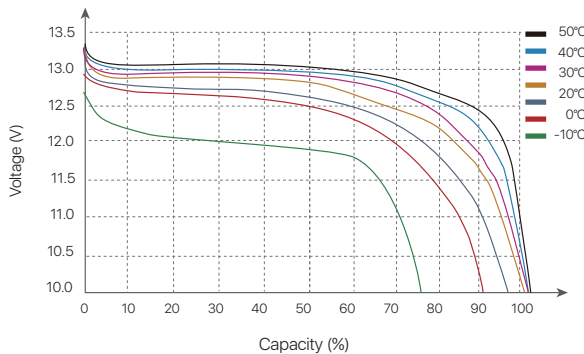
12V150AH

BG-12150

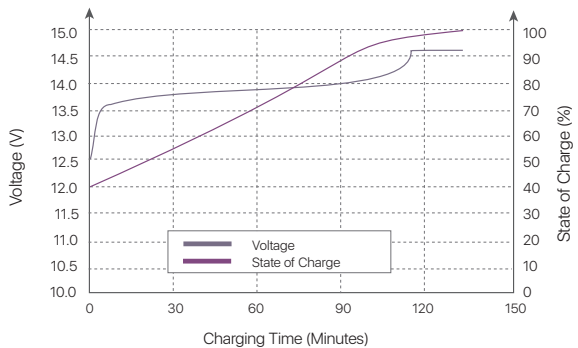
Different Rate Discharge Curve (25°C)



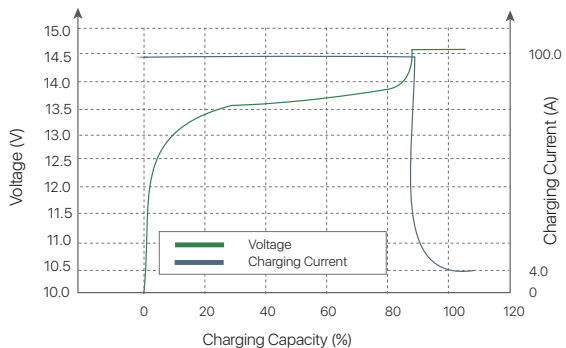
Different Temperature Discharge Curve (0.5C)



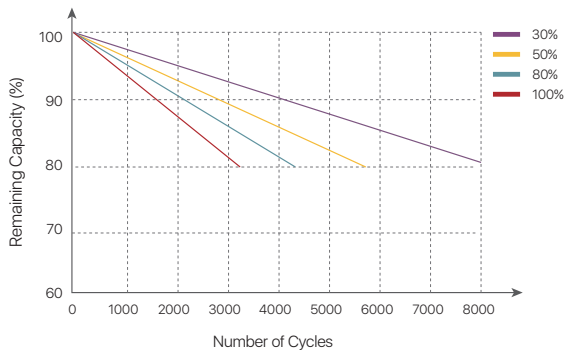
State of Charge Curve (0.5C, 25°C)



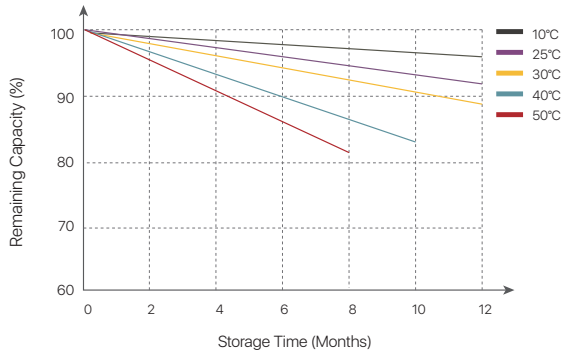
Charging Characteristics (0.5C, 25°C)



Different DOD Discharge Cycle Life Curve (0.5C)



Different Temperature Self Discharge Curve



(Note) All above information shall be changed without prior notice, Basen reserves the right to explain and update the latest information.