

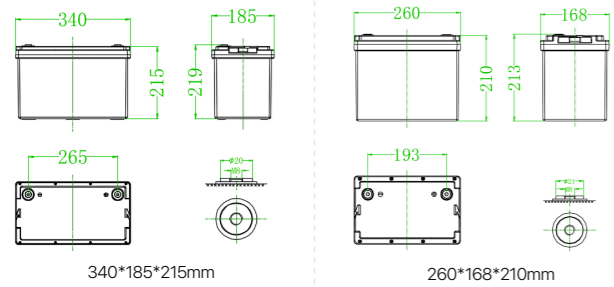
BG-12100

12V 100Ah LiFePO4

Lithium Iron Phosphate
Deep Cycle Battery



Physical Dimension-mm

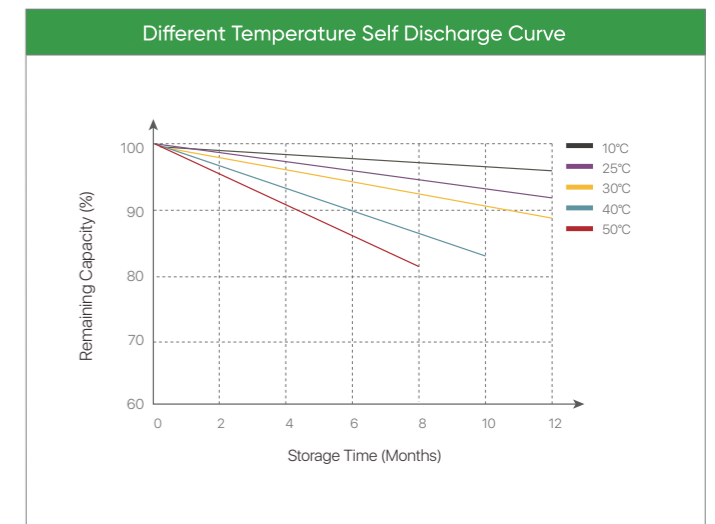
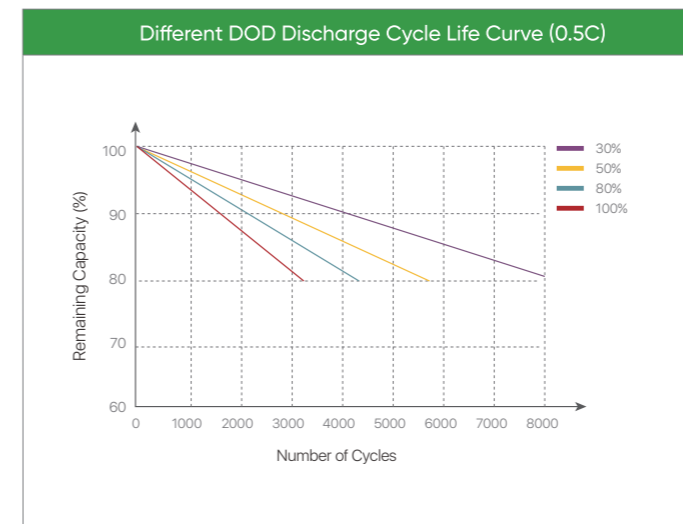
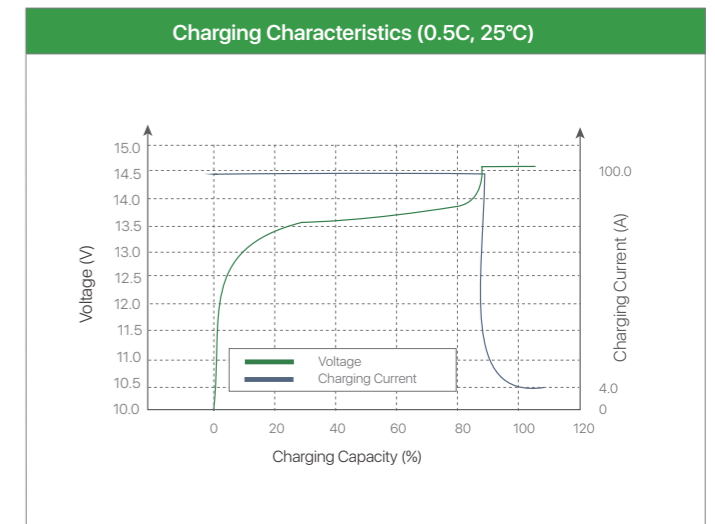
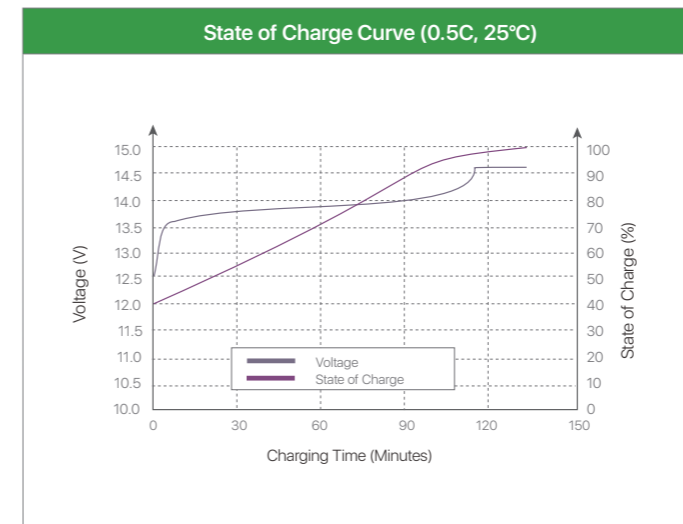
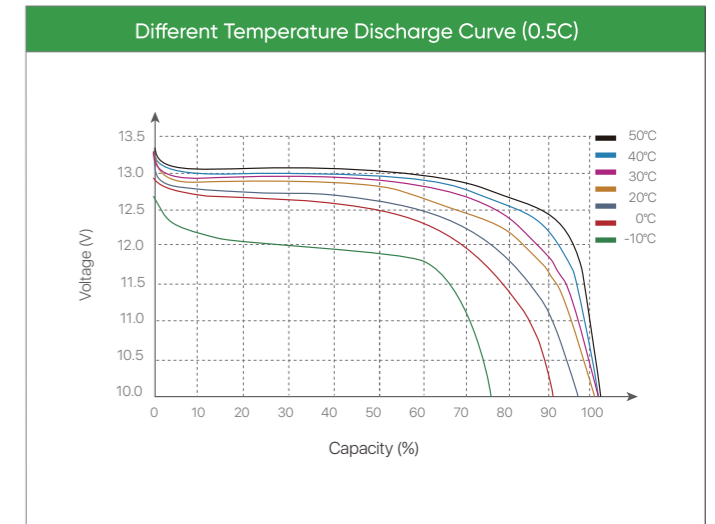
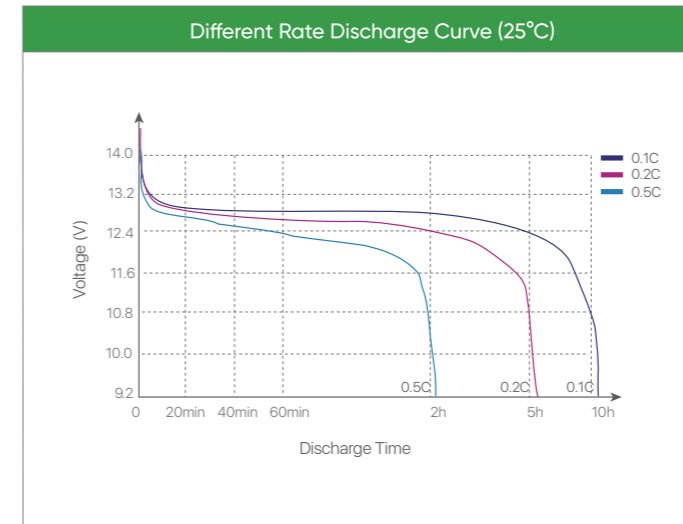


- Lighter Weight**
About 40% of the weight of a comparable lead acid battery. Easy to replace lead acid batteries.
- Higher Power**
Delivers twice power of lead acid battery. Higher discharge rate, while maintaining high energy capacity.
- Longer Cycle Life**
Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery.
- Superior Safety**
Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit.

Specification	
Nominal Voltage	12.8V
Nominal Capacity	100Ah / 1280Wh
BMS	Bluetooth with Smartphone App
Cycle Life	>4000 cycles @0.5C / 80%DOD
Months Self Discharge	<3%
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	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	100A
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	340*185*215mm / 260*168*210mm
Approx. Weight	12kg
Terminal	M8
Maximum Modules in Series&Parallel	4S4P
Monitoring Option	Heating and Active equalization

12V100AH

BG-12100



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