BG-12314

12V 314Ah LiFeP04

Lithium Iron Phosphate
Deep Cycle Battery

RV · Camper · Marine · Solar Home · UPS Backup



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.

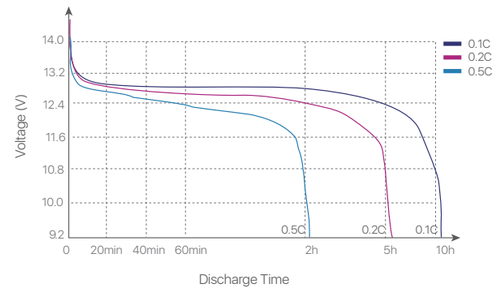
Superior Safety
Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit.

Specification

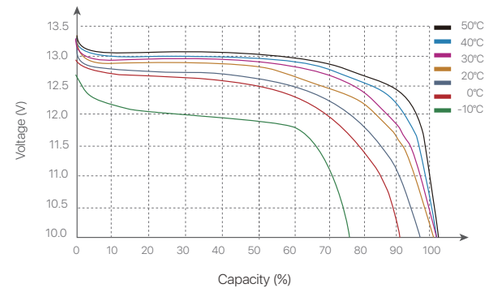
Nominal Voltage	12.8V	Max. Continuous Discharge Current	150A/200A(optional)
Nominal Capacity	314AH/4020WH	Peak Discharge Current	450A±160A (0.5-1.5S)
BMS	Bluetooth with Smartphone App	Discharge Cut-off Voltage	10V±0.5V
Cycle Life	>8000 cycles @0.5C / 80%DOD	Charge Temperature	0℃~55℃ @60±25% Relative Humidity
Months Self Discharge	<3%	Discharge Temperature	-20℃~60℃ @60±25% Relative Humidity
Eciency of Charge	100% @0.5C	Storage Temperature	-20℃~45℃ @60±25% Relative Humidity
Eciency of Discharg	96~99% @0.5C	Protection Class	IP65
Charge Voltage	14.2~14.6V	Approx. Dimensions	387*206*273mm
Charge Mode	0.2C to 14.6V, then change to 0.02C (CC/CV)	Approx. Weight	27kg
Recommended Charge Current	100A	Terminal	M8
Max. Charge Current	150A/200A(optional)	Maximum Modules in Series&Parallel	4S4P
Charge Cut-off Voltage	14.6V±0.2V	Monitoring Option	Heating and Active equalization

12V314AH

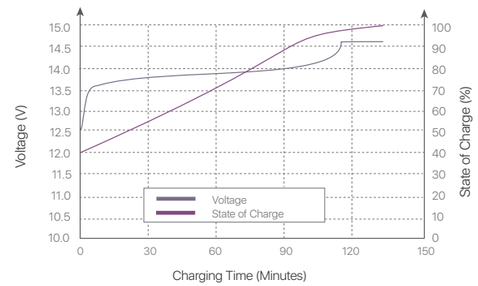
Different Rate Discharge Curve (25℃)



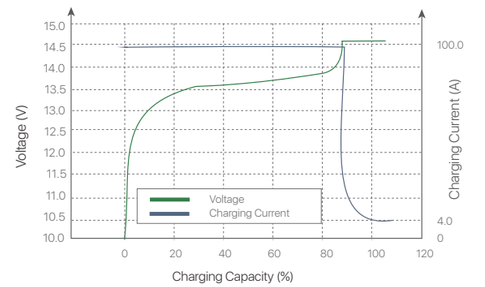
Different Temperature Discharge Curve (0.5C)



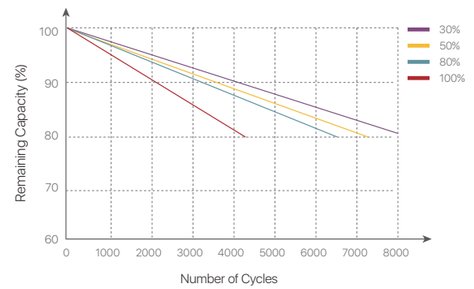
State of Charge Curve (0.5C, 25℃)



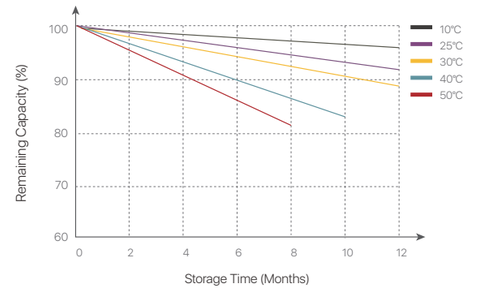
Charging Characteristics (0.5C, 25℃)



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.