12V 300Ah LiFePO4 Lithium Battery

Over 5000 Cycles Life

Model NO: BG-12300













Introduction

BG-12300 LiFePO4 Lithium Deep Cycle Battery, is With the Grade A Cells and Built-in Smart BMS, The Designed Life is Up to 10 Years. 5000 Cycles @ 80%DOD. Protections Include: Charging and Discharge Protection, Hardware Protection for Over-Voltage, Under-Voltage, Temperature, Overload, Short Circuit etc. It is Widely Used in Various Applications, Such as RV, Van, Camper, Marine, Camping, Off-Grid, Solar Home, Ups Backup, Golf Cart etc.

Features

Grade A Cells and Built-In Smart BMS

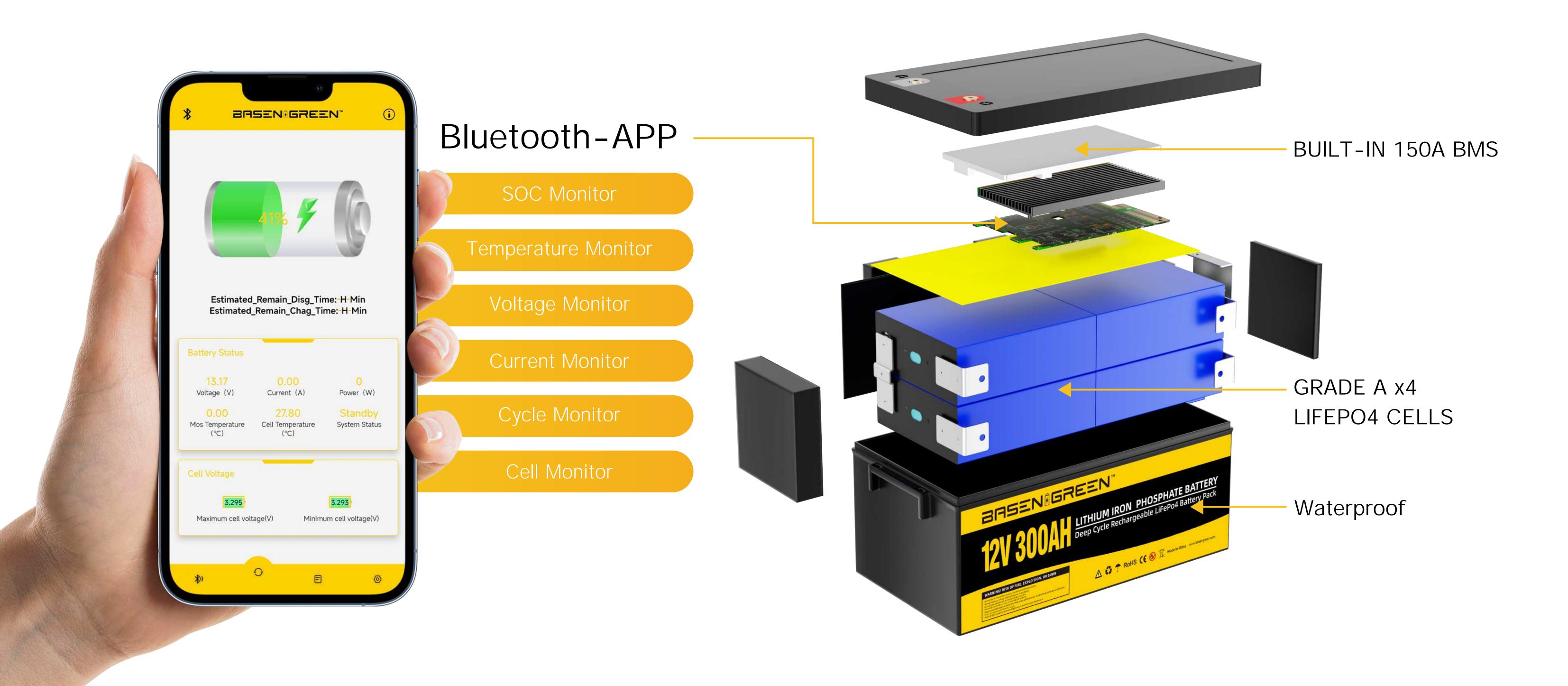
Over Current, Short Circuit, Over Charge and Over Discharge Protection

Black ABS Case and IP65 Waterproof

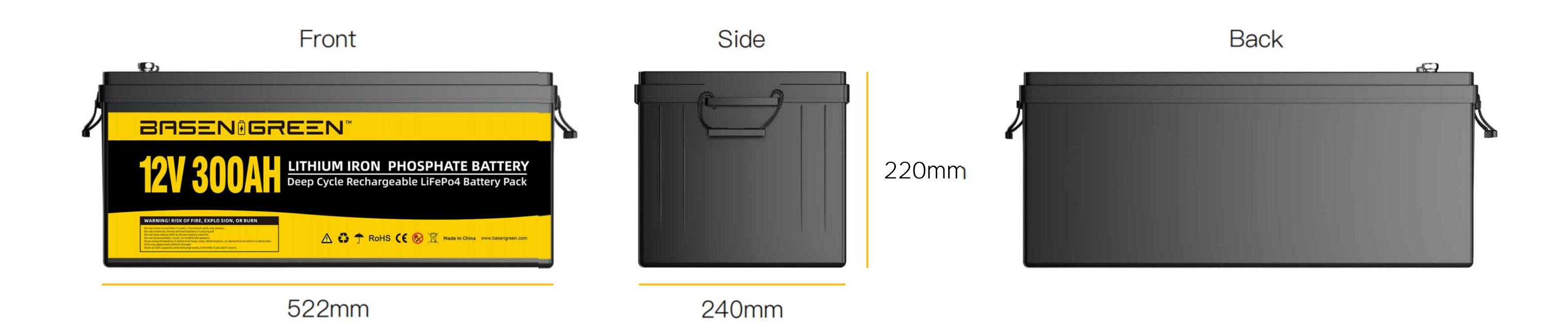
5000 Cycle Life and 5 Years Warranty

High & Low Temperature Auto Cut-Off Protection

Certified with CE / UN38.3 / MSDS







ELECTRICAL PROPERTIES		
Nominal Voltage	12.8V	
Nominal Capacity	300Ah	
Energy	3840Wh	
Self Discharge	< 3% / Month	
CHARGE PERFORMANCE		
Maximum Charge Current	150A	
Recommend Charge Voltage	14.6V	
BMS Charge Cut-off Voltage	14.6V	
BMS Charge Cut off Recover	14±0.05V	
Balancing Voltage	< 13.2V(3.3V/CeII)	
DISCHARGE PERFORMANCE		
Max Continuous Discharge Current	150A	
Short Circuit Protection Current	1800±360A	
Dischage Cut-off	10.8V	
BMS Low-Voltage Protection	10.8±0.05V	
BMS Low Voltage Recover	11.6±0.05V	
BMS Short Circuit Protection	250µs	
TEMPERATURE PERFORMANCE		
Discharge Temperature	-20 ~ 60 °C	
Charge Temperature	0 ~ 55 °C	
Storage Temperature	10 ~ 35 °C	
BMS High Temperature Cut	55±2 °C	
BMS High Temperature Recovery	50±2 °C	
PHYSICAL PROPERTIES		
Overall Dimensions (LxWxH)	522x240x220mm	
Veight	30kg	
erminal Thread Type	M8	
Case Material	ABS	
Protection Class	IP65	
COMPLIANCE		

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