

DEEP CYCLE LITHIUM BATTERIES

ZRGP

The LiFePO4 battery shares the same structural specifications as lead-acid batteries but offers advantages such as high safety, reliability, long cycle life, and excellent temperature performance. Its unique benefits make it suitable for various applications, including RVs, sightseeing carts, marine use, scooters, tricycles, emergency lighting, and security monitoring. It serves as an ideal drop-in replacement for traditional lead-acid batteries.



Flexibility

From 7Ah to 300Ah, with 12V / 24V variants
 Versatile in multiple application scenarios
 Standard group size, down to upgrade of old batteries

Techno-convenience

Bluetooth pre-installed with the built-in smart BMS
 Free cell phone app accessible for monitoring and micro-adjusting

Cutting-edge Quality

Capable of connecting 4 batteries together in either series or parallel
 Tier-1 Top brands' A-grade LFP cells



ZR-LFP12007



ZR-LFP12010



ZR-LFP12020



ZR-LFP12050H



ZR-LFP12100H



ZR-LFP12150H



ZR-LFP12200H



ZR-LFP24100

■ Main Parameters

	ZR-LFP 12007	ZR-LFP 12010	ZR-LFP 12020	ZR-LFP 12050H	ZR-LFP 12100H	ZR-LFP 12150H	ZR-LFP 12200H	ZR-LFP 12300H	ZR-LFP 24100
Nominal Capacity (Ah)	6.6	9.9	19.8	50	100	150	200	300	100
Rated Energy (Wh)	85	127	253	640	1280	1920	2560	3840	2560
Rated Voltage (V)	12.8								25.6
Charge Ending Voltage (V)	14.6(14.2 Preferred)								29.2 (28.4 Preferred)
Discharge Ending Voltage (V)	10	10	10	10	10	10	10	10	20
Standard Charge Current (A)0.2C	1.32	1.98	3.96	10	20	30	40	60	20
Max. Charge Current (A)	≤ 6.6	≤9.9	≤ 19.8	≤ 50	≤100	≤150	≤150	≤150	≤100
Standard Discharge Current (A)	6.6	4.8	9.6	25	50	75	100	100	50
Max. Discharge Current (A)	9.6	14.4	≤20	≤50	≤ 100	≤150	≤150	≤150	≤100
Operating Temperature	Charge: 0°C ~ +55°C ;Discharge: -20°C ~ +55°C								
Operating Voltage (V)	10.0-14.6								20.0-29.2
Shell Type	ABS								
Weight (kg)	0.9	1.3	3.5	8	13	22	21	30	21
L*W*H (mm)	150*65*94	150*65*94	180*76*168	223*134*177	326*170*216	483*170*240	483*170*240	522*240*218	483*170*240

	ZR-LFP 12100S (Bluetooth version)	ZR-LFP 12150S (Bluetooth version)	ZR-LFP 12200S (Bluetooth version)
Cell Model	LFP-Prismatic 3.2V 100Ah	LFP-Prismatic 3.2V 50Ah	LFP-Prismatic 3.2V 100Ah
Combination Mode	4S1P	4S3P	4S2P
Nominal Capacity (Ah)	100	150	200
Rated Energy (Wh)	1280	1920	2560
Rated Voltage (V)	12.8	12.8	12.8
Charge Ending Voltage (V)	14.6 (14.2 Preferred)	14.6 (14.2 Preferred)	14.6 (14.2 Preferred)
Discharge Ending Voltage (V)	10	10	10
Standard Charge Current (A) 0.2C	20	30	40
Max. Charge Current (A)	≤ 100	≤ 150	≤ 150
Standard Discharge Current (A)	50	75	100
Max. Discharge Current (A)	≤ 100	≤ 150	≤ 150
Operating Temperature	Charge 0°C ~ +55°C;Discharge -20°C ~ +55°C		
Operating Voltage (V)	10.0-14.6		
Shell Type	ABS		
Weight (kg)	13	22	21
L×W×H (mm)	326x170x216	483x170x240	483x170x240