

12V&24V LiFePO4 Battery

APPLICATION



Off-grid Solar ESS



RV / Camper Power



Marine / Yacht



Camping Power Supply



Night Fishing Power



Solar Street Light

COMPARISON



COMMON

ABS

✓ (FINISHED PRODUCT)
- **WATERPROOF** IP65

- **NOT** AVAILABLE TO OPEN COVER ONCE SEAL

- **NOT** AVAILABLE TO REMOVE COVER TO REPLACE BMS WHEN BMS FAULTY

- **NOT** AVAILABLE TO SEAL AGAIN ONCE OPEN COVER

SCREW

ABS

✓ (FINISHED PRODUCT)
- **WATERPROOF** IP65

✓ **EASILY** OPEN COVER FOR CHECKING INNER

✓ **REMOVABLE** COVER TO REPLACE BMS WHEN BMS FAULTY

✓ **RE-SEAL** WON'T AFFECT THE WATERPROOF EFFECT

VS

Why Choose HEGEL Lithium Battery



Powerful and Reliable



Environmental Friendly



Intelligent Bluetooth BMS



Built-in Safety Protection



APP Monitor



5 ~ 8 Years Service Life

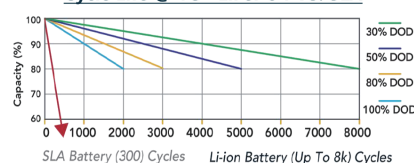


Support Parallels & Series Connection

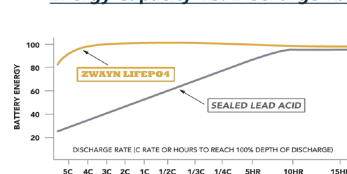


CURVES

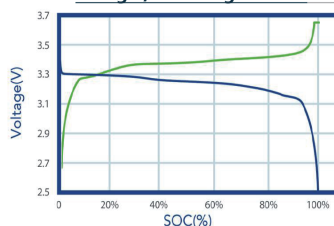
Cycle Life @ 1C - LiFePO4 VS. SLA



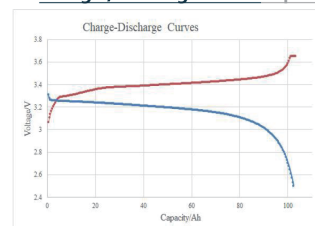
Energy Capacity VS. Discharge Rate



Charge / Discharge Curve SOC%



Charge / Discharge Curve Capacity/Ah



12V&24V LiFePO4 Battery

SPECIFICATION

Model	LFF-12100YW	LFF-12200	LFF-24100GF	LFF-24200
Picture				
Nominal Voltage	12.8V		25.6V	
Nominal Capacity @25°C	100AH	200AH	100AH	200AH
Nominal Energy @25°C	1280WH	2560WH	2560WH	5120WH
Battery Cell Type	Prismatic 100Ah	Prismatic 100Ah	Prismatic 100Ah	Prismatic 200Ah
Configuration (*S*P)	4S1P	4S2P	8S1P	8S2P
Max. Continous Charge Current @25°C	100A	100A	100A	100A
Max. Pulse charge Current @ 25°C, 10s	120A	120A	120A	120A
Max. Continous Discharge Current @25°C	100A	100A	100A	100A
Max. Pulse Discharge Current @ 25°C, 10s	120A	120A	120A	120A
DC Resistance	≤10mΩ			
Full Charged Voltage	14.6V		29.2V	
Discharge Cut-off Voltage	10V		20V	
Operate Temperature Range	Charge: 0°C~55°C; Discharge: -20°C~60°C;		Storage: -20°C~45°C	
Humidity (non-condensing)	Max. 95%			
Dimension (mm)	326*171*215mm	522*240*218mm	522*240*218mm	550*443*200mm
Weight (KG)	13.5KG	25KG	25KG	48KG
Terminal Type	Screw terminal			
Cover Sealing type	Screw / gel sealing optional			
Waterproof	IP65			
Cycle life	100% DOD Cycles @ 25°C, 1C/1C: >2000 times 80% DOD Cycles @ 25°C, 1C/1C: >3000 times 50% DOD Cycles @ 25°C, 1C/1C: >5000 times			
Service Life	5-10 years			
Warranty	3 years			
LCD Screen Display	Optional (Show voltage V, Power %)			
Bluetooth	Optional (Bluetooth with mobile APP)			
Series and Parallels Function	Max connection: 4S2P		Max connection: 2S2P	



Higher specific energy



Easy to install



Long cycle life



Support parallel operation



Environmentally friendly



Support deep customization