

DEEP CYCLE 12V/24V LiFePO4 BATTERY



Why Choose LUXWATT Lithium Battery?



Powerful and Reliable



Intelligent BMS



Environmental Friendly



Support Parallels & Series Connection



Built-in Safety Protection



New Grade A Cells

COMPARISON

APPLICATION

COMMON

ABS

SCREW

ABS

VS



(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



(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



Off-grid Solar ESS



RV/Camper Power



Marine /Yacht



Camping Power Supply



Night Fishing Power



Solar Street Light



DEEP CYCLE 12V/24V LiFePO4 BATTERY



SPECIFICATION

Model	LFF-12100YW	LFF-12200	LFF-24100FP	LFF-24200FP
Nominal Voltage		12.8V	25.6V	25.6V
Nominal Capacity @25°C	100AH	200AH	100AH	200AH
Nominal Energy @25°C	1280WH	2560WH	2560WH	5120WH
Battery Cell Type	Prismatic 100Ah	Prismatic 200Ah	Prismatic 200Ah	Prismatic 200Ah
Configuration (*S*P)	4S1P	4S1P	8S1P	8S1P
Max. Continous Charge Current @25°C	100A	100A	100A	100A
Max. Pulse charge Current @ 25°C, 10s	120A	120A	120A	120A
Max. Continous Charge 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	29.2V
Discharge Cut-off Voltage		10V	20V	20V
Operate Temperature Range		Charge: 0° C~45°C;		Discharge: -20°C~65°C;
Humidity (non-condensing)		Max. 95%		
Dimension (mm)	327*172*218mm	522*240*218mm	522*240*218mm	522*238*218 (mm)
Weight (KG)	13.5KG	21KG	27KG	36KG
Terminal Type		Screw terminal		
Cover Sealing type		Screw sealing		
Cycle life		80% DOD Cycles @ 25°C, 1C/1C: >3000 times		
Battery cell		New grade A cells		
Warranty		2 years		
LCD Screen Display		Show Voltage, SOC		
Series and Parallels Function		Available to make in series and parallels to get 24V, 36V, 48V		



Higher specific energy



Easy to install



Long cycle life



Support parallel operation



Environmentally friendly



Support deep customization