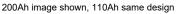
IP-12110-H-BT HYBRID LIFEPO4 BATTERY (12.8V/110Ah)









## LiFePo4 IP67 UN38.3

Length Width Height 189mm/7.4in 279mm/11in 175mm/6.9in

B <i>A</i>	TTERY VOLT&STATUS			
SOC	20A discharge	ocv		
100%		13.4V		
90%	13.19V	13.3V		
80%	13.17V	13.3V		
70%	13.15V	13.3V		
60%	13.05V	13.2V		
50%	12.99V	13.15V		
40%	12.98V	13.14V		
30%	12.94V	13.1V		
20%	12.79V	12.79V		
10%	12.61V	12.8V		

BATTERY TECH DATA							
Stored energy		1350Wh					
Rated capacity		110Ah					
Nominal voltag	е	110Ah 12.8V 10V-14.6V 5.5h 1.5h 22A/14.6V 100A/14.6V 800A					
Volt range		10V-14.6V					
Charge time	Standard	5. <u>5</u> h					
Charge time	Rapid	1.5h					
Charge method	Standard	22A/14.6V					
CC-CV	Rapid	100A/14.6V					
Max discharge	Crank	A008					
current	Surge (30S)	400A					
	Continuous	100A					
Cycle life	10%	>6000 cycles					
0.5C,23°C/73°F	100%	>2000 cycles					
Operating	Charge	0°C~55°C/ 32°F~131°F					
temperature	Discharge	-20°C~60°C/ -4°F~140°F					
range	Storage(1month)	-20°C~45°C/ -4°F~113°F					
	Storage(6month)	-10°C~35°C/ 14°F~95°F					
Storage		IP67					
Flammability ra	ating	UL94-V0					
Approx weight		11Kg/ 24.3lbs					
Max 4 series connection. Multiple							
Series & paralle	ries & parallel parallel connection for yachts.						
connection		Batteries must be the same volt					

BMS PROTECTION							
Balance	Balance		ent ate volt	40m/ 3.55V/ cel	_		
High temperature protection(MOSFET)		Prote Relea	ection	85°C/ 185° 75°C/ 167°			
High temperature	Protec	tion $\frac{1}{7}$		149°F(charge F (discharge			
protection (cell)	Release		-	.31°F (charge °F(discharge			
Low temperature	Protection			32°F (charge F (discharge	_		
protection (cell)	Release			/50°F(charge F(discharge			
Over-charge		tectior ease		V (3.85V/cell V (3.65V/cell	_		
Over-dischar	ge ····	tectior ease		2V (2.3V/cell 0V (2.5V/cell	_		
Short-circuit	Protec Releas	_ Re		3000A d for the short tion to release	-		

## **APPLICATION SCENARIOS**



before series or parallel connection.











**BOAT** 

TROLLING MOTOR DUMP TRAILER

**TRAILER MOTORHOME**  **HOME**