



EM-LFP12-314

Lithium Marine Battery



EM-LFP12-314 Lithium Marine Battery

Characteristic		Photo for reference
Nominal voltage (V)	12.8 V	
Nominal capacity (Ah)	314 Ah	
Total energy (Kwh)	4 Kwh	
Voltage range (V)	10-14.6V	
Standard charging current (A)	50 A	
Max charging current (A)	100 A	
Standard discharging current (A)	200A	
Max discharging current (A)	600 A	
BMS power consumption (W)	<1.5W	
Design life	More than 10 years	
Cycle life	More than 4000 cycles at 80% DOD	
Dimensions & Weight for Single Battery Pack		
Dimension (mm)	Custom	
(can be customize)	(W 564×D 269×H 290)	
System weight (kg)	About 37.6	
Environment		
Operation thermal ambient (°C)	Charge: 0°C ~ 55°C Discharge: -20°C ~ 55°C	
Storage temp	<1month: -20°C ~ 45°C <3month: -20°C ~ 40°C 3-6month: -20°C ~ 25°C	
Storage humidity	<80%	
Protection grade	IP67	
Protection		
Over-current protection	YES	
Over-voltage protection	YES	
Under-voltage protection	YES	
Over-temperature protection	YES	
Short-circuit protection	YES	

Applications

Auxiliary power supply in yachts or sailboats
 Electric trolling motors
 Pontoon boats

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