

LiFePO4 Battery

Zeta X Series

12.8V 400Ah

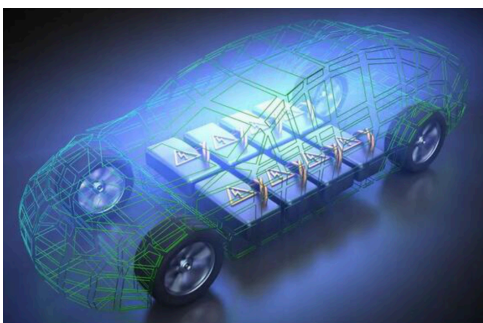
25.6V 200Ah/400Ah

51.2V 100Ah/200Ah



Reliable ● Safe ● Flexible

Zeta X series LiFePO4 battery is designed with UL listed battery cells and a very sophisticated automotive grade battery management system (BMS). With unique features, it is one of the most technically advanced lithium battery system on the market. Suitable for applications such as Industrial/ Household/ Commercial/ Land Vehicle/ Solar Energy Storage



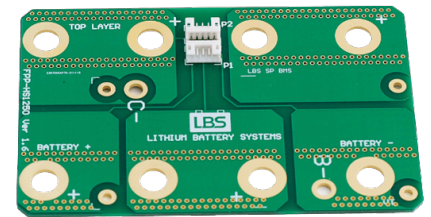
Automotive-Grade BMS

We used the same BMS solution as electrical car. And make sure the battery safety and reliable!



A-Grade LiFePO4 Prismatic Cells

We use A-Grade LiFePO4 Prismatic Cells, made with a hard metal outer casing. Built-in pressure safety valve. UL1642 and TUV certified cells ensure long lifespan. Lifecycle up to 3500@80% DOD, 6000@60% DOD.



Custom Built Cell Link Board

Our lithium batteries all use a custom "solid state" cell link Board. Designed, developed and made right here along with our BMS. The cell link board helps keeps the cells "Balanced" and links the cells together.

Key Features

- **Heavy Duty Industrial Design**
- **Parallel up to 10 units**
- **Auto Recovery After Overcharge Protection**
- **Automotive-Grade BMS**
- **Remote LCD Display**

Data Sheet

Model	Zeta X51	Zeta X52	Zeta X54	Zeta X12	Zeta X14
Rated Voltage	12.8V	25.6V	51.2V	25.6V	51.2V
Rated Capacity	400Ah	200Ah	100Ah	400Ah	200Ah
Rated Energy	5.12kWh	5.12kWh	5.12kWh	10.24kWh	10.24kWh
Cell Configuration	4S4P	8S2P	16S1P	8S4P	16S2P
Battery Cell	3.2V100Ah 16PCS			3.2V100Ah 32PCS	
Standard Charge					
Operation Temperature range@charge	0°C~45°C	0°C~45°C	0°C~45°C	0°C~45°C	0°C~45°C
Rated charge voltage	13.8V±0.1V	27.6V±0.2V	55.2V±0.4V	27.6V±0.2V	55.2V±0.4V
Max charge voltage	14.2V±0.1V	28.4V±0.2V	56.8V±0.4V	28.4V±0.2V	56.8V±0.4V
Overcharge protection	14.6V±0.1V	29.2V±0.2V	58.4V±0.4V	29.2V±0.2V	58.4V±0.4V
Allowed Max charge current	220A@30S	110A@30S	55A@30S	220A@30S	110A@30S
Peak charge current	240A@5S	120A@5S	60A@5S	240A@5S	120A@5S
Rated charge current	200A	100A	50A	200A	100A
Recommend charge current	<200A	<100A	<50A	<200A	<100A
Standard Discharge					
Operation temperature range @discharge	-20°C~60°C	-20°C~60°C	-20°C~60°C	-20°C~60°C	-20°C~60°C
Output Voltage Range	10~14Vdc	20~28Vdc	40~56Vdc	20~28Vdc	40~56Vdc
Recommend working range	11.5~13.5Vdc	23~27Vdc	46~54Vdc	23~27Vdc	46~54Vdc
Discharge cut-off voltage	10V	20V	40V	20V	40V
Allowed Max Discharge current	440A@30S	220A@30S	110A@30S	440A@30S	220A@30S
Peak discharge current	480A@5S	240A@5S	120A@5S	480A@5S	240A@5S
Rated discharge current	400A	200A	100A	400A	200A
Recommend discharge current	<400A	<200A	<100A	<400A	<200A
General					
Communication	CAN & RS485				
Storage Temperature	-20°C~35°C (less than 1 month); -10°C~30°C (less than 6 months)				
Humidity	45~75% RH				
SOC	60~75% SOC @storage; 45~55% SOC @Transportation				
Dimension (H*W*D) mm	560*580*170 (unit)			900*580*170 (unit)	
	650*650*380 (package)			1000*650*380 (package)	
Weight (kg)	48kg (unit) 53kg (package)			100kg (unit) 125kg (package)	