



HYNER TECHNOLOGY

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ESB-51.2V -100Ah

A high-performance LiFePO₄ battery designed for off-grid power, solar backup, and residential energy storage. It delivers safe, reliable, and long-lasting energy with stable output, fast charging, and a compact, maintenance-free design.



Technical Specification

No.	Item	General Parameter	Remark
1	Model	LiFePO ₄ —16S1P	
2	Standard capacity	Typical: 100Ah ±5%	
3	Rated voltage	51.2V	Single cell 3.2V
4	Rated energy	5120Wh ±5%	
5	Max. charge voltage	About 56.8V	Single cell reaches 3.65V
6	Cut-off voltage	About 44.8V	Single cell reaches 2.7V
7	Standard charge current	≤100A	
8	Standard discharge current	≤100A	
9	Max cont. discharge current	≤120A	
10	Cut-off current	130 ±10A	Load removed
11	Cycle life	>6000 cycles @≥70% SOH	
12	Weight	About 43 kg	
13	Charge method:	0 to 45°C	
14	Standard discharge	-10 to 55°C	
15	Warranty	5 Years	Fare usage policy

*This data sheet may change without notice at the sole discretion of the manufacturer.