



HYNER TECHNOLOGIES

Residential Solutions

Built for resilience. Designed for results



+92 370 1834954
www.hyner.pk



ESB-51.2V -100Ah

A high-performance LiFePO₄ battery designed for power solutions, 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 @≥80% SOH	
12	Weight	About 43 kg	
13	Operating Temperature Range	Charge ~ 0 to +55 / Discharge ~ -30 to 55°C	
14	Warranty	5 Years	Fare usage policy

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