



HOPETREK

LB5 Series Battery Systems

ESS-LB5/10/15/20



Key Features:





- Stability & Reliability
Secured by self-developed cells, modules and BMS
- Independent Physical Protection
Dual active protection mechanism enhances safety significantly
- Top Safety Certifications for System Security
IEC62619 IEC62477
- Modular Design, expandable from 5.12-20.48kWh
Wide capacity range meeting the demand of various scenarios
Improving your resilience
- Smaller footprint and indoor / outdoor compatible to save your valuable space

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Specifications

Datasheet	ESS-LB5	ESS-LB10	ESS-LB15	ESS-LB20
System Demo				
Battery Module	LB5 (5.12kWh, 51.2V, 50kg)			
Number of Modules	1	2	3	4
Energy Capacity	5.12kWh	10.24kWh	15.60kWh	20.48kWh
Usable Capacity	4.61 KWh	9.22kWh	14.04kWh	18.43KWh
Dimension (W/D/H)	720/160/656mm	720/160/ 1095mm	720/160/1625mm	720/160/2155mm
Weight	55kg	105kg	155kg	205kg
Standard Charge/ Discharge Current	50A	100A	120A	120A
General				
Battery Type	Cobalt Free Lithium Iron Phosphate (LFP)			
Nominal Voltage	51.2V			
Operating voltage Range	47.2 - 56.8V			
IP Protection	IP65			
Installation	Wall-mounted or Floor installation* ¹			
Operation Temperature	-10~ 50°C* ²			
Features				
BMS Monitoring Parameters	SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature measurement			
Communication Port	CAN			
Warranty: 10 years	Yes/optional			
Certification				
IEC62619 (Cell&Pack), CE, CEC, RCM, UN38.3				

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