

LIB HomeStack

Stackable Home Battery

16 / 32 / 48kWh



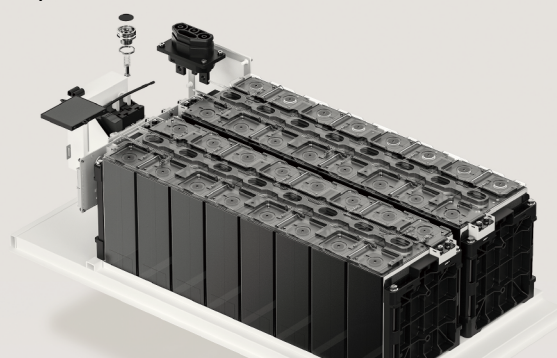
Modular Design for Every Home

Flexible 16, 32, and 48 kWh configurations scale with your household's growing energy needs.



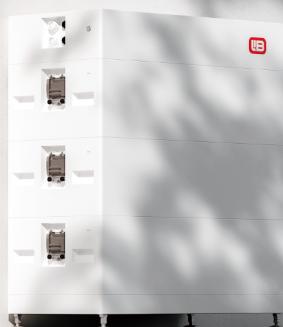
Multi-Layer Safety Protection

Multi-layer safety with low-voltage LFP, fire suppression, and pressure relief.



Built for Years

Powered by high-capacity 314 Ah LFP cells delivering 8,000+ cycles and backed by a 10-year warranty.



Installer-Friendly

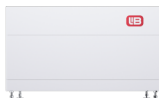
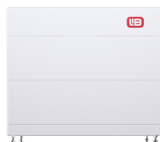
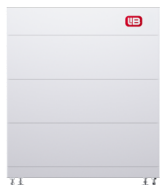
Stackable, cable-minimized design enables effortless installation with IP65 rating.



ENERGY 

www.energy-lib.com



Model	LIB BSS01L16 I	LIB BSS01L16 II	LIB BSS01L16 III
Indication of Appearance			
Performance			
Total Energy Capacity (kWh)	16.08	32.15	48.23
Usable Energy Capacity (kWh)	16.08 (DoD 100%)	32.15 (DoD 100%)	48.23 (DoD 100%)
Rated Voltage (V)	51.2		
Voltage Range (V)	44.8-57.6		
Battery Capacity (Ah)	314	628	942
Rated Charge/Discharge Power (kW)	8	12	12
Rated Charge/Discharge Current (A)	160/160	250/250	250/250
Max. Charge/Discharge Current (A) ^[1]	160/160	250/250	250/250
Peak Charge/Discharge Current (A) ^[2]	180/180	300/300	300/300
Cycle Life	≥8,000 cycles, @ 25 ± 2 °C, 70% EOL		
General			
Battery Type	LiFePO ₄ (LFP)		
Dimensions (W x H x D) (mm)	850 × 458 × 440	850 × 701 × 440	850 × 944 × 440
Weight (kg)	136	251	366
Ingress Protection Rating	IP65		
Charge Temperature Range (°C)	0-50		
Discharge Temperature Range (°C)	-20-50		
Relative Humidity	≤95% (Non-condensing)		
Altitude (m)	≤3,000		
Installation Method	Stack		
Cooling Strategy	Natural Convection		
Warranty ^[3]	10 years		
Communication	CAN, RS485		
Certifications	IEC 61000-6-1/2/3/4, IEC 62619, IEC 62040-1, UN38.3		
Country of Manufacture	China		

[1] The current is affected by temperature and SOC.

[2] Test conditions: 25 ± 2°C, last for 10s.

[3] Conditions apply, refer to EnergyLIB Warranty Letter at www.energy-lib.com.