

LuminBlock Series Battery Cabinet

BHF-X80D / BHF-X100D / BHF-X120D

LuminBlock Series is an outdoor DC battery cabinet featuring an air-cooling system.

When combined with a third-party inverter, it supports AC power output, making it an optimal solution for small-scale commercial and industrial applications.

Flexible Expansion

80/100/120kWh capacity options, DC expandable for flexible configuration

Easy Installation & Maintenance

Modular design with side cable outlets, simple to install and service

Safe & Stable

Features battery health alerts & multi-layer protection for safe, stable operation

Long Service Life

314Ah LFP cells deliver high safety and extended cycle life

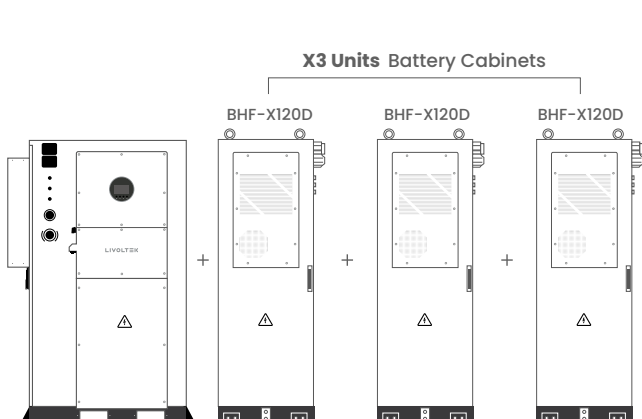


BATTERY CABINET

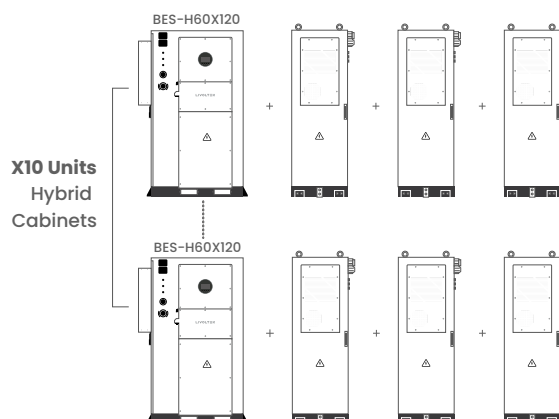
BHF-X80D/BHF-X100D/BHF-X120D

LuminBlock

Model	BHF-X80D		BHF-X100D	BHF-X120D
Battery Parameters				
Battery Type	LiFePO4			
Rated Capacity	314Ah			
Battery Configuration	1P20S			
Battery Pack Quantity	4	5	6	
Rated Battery Voltage	256V	320V	384V	
Operaating Voltage Range	224 ~ 288V	280 ~ 360V	336 ~ 432V	
Rated Energy	80kWh	100kWh	120kWh	
Rated Charging/Discharging Current	157 / 157A			
Max. Charging/Discharging Current	179.4 / 179.4A			
System Parameters				
Depth of Discharge	90%			
Operating Temperature	-20 ~ 55°C			
Operating Humidity	0%- 95% RH (non-condensation)			
Operating Altitude	2000m			
Warranty	10 years @70%SOH, 25°C, 0.5P			
Communication	RS485 / Wi-Fi / CAN / DI / DO			
Temperature Control Mode	Smart air cooling			
Ingress Protection	IP55			
Dimension (W*H*D)	1349*2100*740mm			
Anti-corrosion Level	C4 / C5 (optional)			
Weight	945kg	1085kg	1218kg	



480kWh Battery Cabinet DC Side
Up to **4 Units** Parallel for Capacity Expansion



0.6MW/4.8MWh On/Off-grid System
Up to **10 Units** Parallel for Capacity Expansion