LuminBlock
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

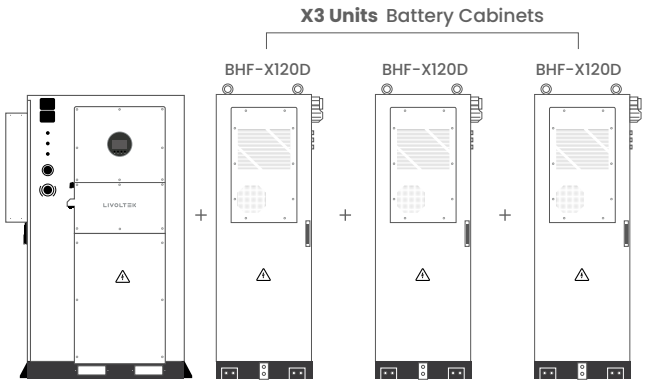


BATTERY CABINET

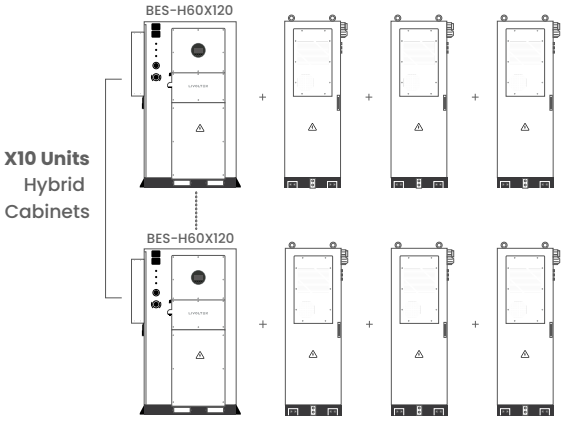
BHF-X80D/BHF-X100D/BHF-X120D

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
Operating Voltage Range	224 ~ 288V	280 ~ 360V	336 ~ 432V
Rated Energy	80kWh	100kWh	120kWh
Rated Charge / Discharge Current	157A / 157A		
Max. Charge / Discharge Current	179.4A / 179.4A		
System Parameters			
Depth of Discharge	90%		
Operating Temperature	-20 to +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		
Cooling	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