



B-LIPH

ENERGY STORAGE

Affordable resilience
for living spaces

www.yesensustain.com

A quality product by
YESEN SUSTAIN
Technology by nature

Expandable capacity.
Modular architecture.

B\LIPH

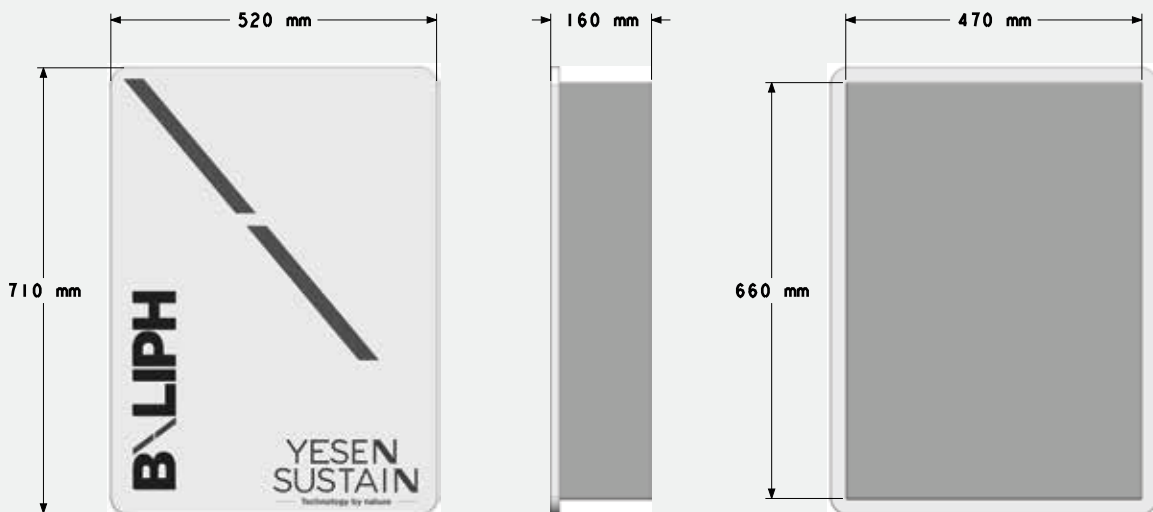


- Built-in Battery Management System
- Built-in Active Balance
- High energy density
- High operation reliability
- Extra-Long service life
- Easy installation
- Intelligent Management
- Plug & Play
- Bluetooth Monitoring & Configuration
- Remote Monitoring (3rd qtr of 2021)

Capacity **5.12kWhr**
Life **>10 years @25°C**

Energy Storage is a critical requirement to build resilience to our living and work spaces. B-LiPh is a unique Energy Storage Solution, which is both reliable and affordable. It incorporates smartness and intelligence and ensures all around efficiency and reliability.

B-LiPh 5.12kWhr-SecuRE ESS by Yesen Sustain is based on LiFePO_4 battery technology and gives you high energy density, ultra-long service life, wide temperature working range, excellent safety and high reliability.



MECHANICAL CHARACTERISTICS

Dimensions (Length x Height x Thickness)	520MM x 710MM x 116MM
Weight	55kg

ELECTRICAL & BMS

BMS integrates several functional modules, including Cell Sampling for Voltage - Current - Temperature, Cell Balance, Protection Circuit, Communication Interface, Battery Status Indication etc.

Cell Type	LiFePO4
Cell Configuration	16S16P 5kWhr with Smart BMS
Continuous Current	100A
Capacity	100Ah @ 51.2Vdc (5.12kWhr)
Life	>10 Years @25°C
Cycle Life (80%DOD, @25°C)	>4500 times in communication
Recommended Charge Current	50A
Maximum Charge Current	100A
Communication interface	RS 232/CAN Bus / RS 485
Dry contact function	Yes
Buzzer	Yes
Log	Yes
Active Balance	Yes
LCD	128*64 pix

Protections: Cell Over-charge Voltage Protection | Cell Over-discharge Voltage Protection | Pack Over-charge Voltage Protection | Pack Over-discharge Voltage Protection | Over-current Charge Protection | Over current Discharge Protection | Short Circuit Current Protection | MOS Over Temperature Protection | Cell Temperature Protection & ENV Temperature Protection



ENVIRONMENTAL CHARACTERISTICS

Operation Temperature	-20°C~75°C
Storage Temperature	-20°C~75°C
Operation Humidity	10~85%RH
Storage Humidity	10~85%RH