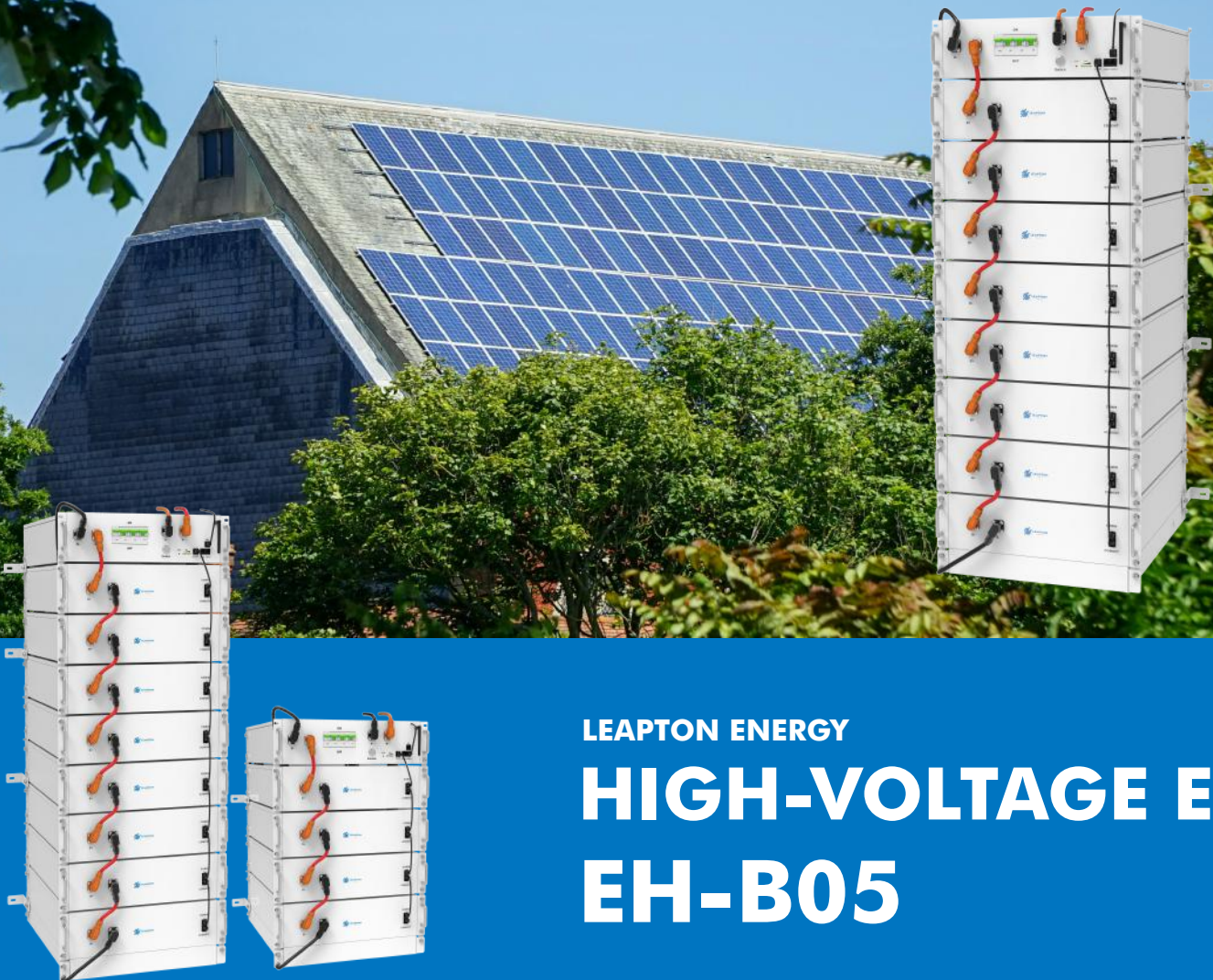




LEAPTON
SOLAR

■■■ SWITCH YOUR LIFE
ENERGY STORAGE SOLUTIONS



LEAPTON ENERGY

HIGH-VOLTAGE ESS EH-B05



Convenient

Quick installation standard of 19-inch embedded designed module is comfortable for installation and maintenance. Support USB upgrade, wifi upgrade(optional), remote up grade(Compatible with Sol-Ark inverter).



Safe and reliable

Cathode material is made from LiFePO4 with safety performance and long cycle life, The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.



Intelligent BMS

It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature. The system can automatically manage charge and discharge state and balance current and voltage of each cell.



Eco-friendly

The whole module is non-toxic, non-polluting and environmentally friendly.



Flexible configuration

Multiple battery modules can be in parallel for expanding capacity and power.



Wide temperature

Working temperature range is from -20° C to 55° C, with excellent discharge performance and cycle life.



Headquarters: Leapton Energy Co., Ltd.

ADD: F6 Tosei Building 1-2-1 Aioicho Chuo-ku, Kobe-shi, Hyogo-ken 650-0025, Japan

Factory: Leapton Solar (Changshu) Co., Ltd.

ADD: No.9 Sunshine Avenue, Changshu, Suzhou city, Jiangsu province, 215500, P. R. China

TEL: 81-78-382-3182

TEL: 86-512-88800068

WEB: www.leaptonenergy.jp

WEB: www.leaptonpv.com

E-MAIL: info@leaptonenergy.com

EH-B05

Model	EH-B05-51.2/204.8	EH-B05-51.2/256	EH-B05-51.2/307.2	EH-B05-51.2/358.4	EH-B05-51.2/409.6	EH-B05-51.2/460.8	EH-B05-51.2/512	EH-B05-51.2/563.2	EH-B05-51.2/614.4
Cell Chemistry	LiFePO4								
Module Energy (kWh)	5.12								
Module Nominal Voltage (V)	51.2								
Module Capacity (Ah)	100								
Battery Module Qty In Series (Optional)	4	5	6	7	8	9	10	11	12
System Nominal Voltage (V)	204.8	256	307.2	358.4	409.6	460.8	512	563.2	614.4
System Operating Voltage (V)	179.2~233.6	224~292	268.8~350.4	313.6~408.8	358.4~467.2	403.2~525.6	448~584	492.8~642.4	537.6~700.8
System Energy (kWh)	20.48	25.6	30.72	35.84	40.96	46.08	51.2	56.32	61.44
System Usable Energy (kWh)	18.43	23.04	27.64	32.25	36.86	41.47	46.08	50.68	55.29
Charge/Discharge Current (A)	Recommend	50							
	Max Current	70							
Working Temperature (°C)	Charge: 0~55 / Discharge: -20~55								
Dimension [H*W*D] [mm]	434*570*735	434*570*870	434*570*1005	434*570*1140	434*570*1275	434*570*1410	434*570*1545	434*570*1680	434*570*1815
Weight Approximate (kg)	190	233	276	319	362	405	448	491	534
Communication Port	CAN / RS485								
Humidity	5%~85%RH								
Altitude	≤2000m								
IP Rating of Enclosure	IP20								
Installation Location	Self-stacking installation								
Storage Temperature (°C)	0~35								
Cycle Life	25 ± 2°C , 0.5C / 0.5C , EOL70% ≥ 6000								
Warranty	10 years								
Certification	IEC62619 / CE/ UN38.3								

Note:

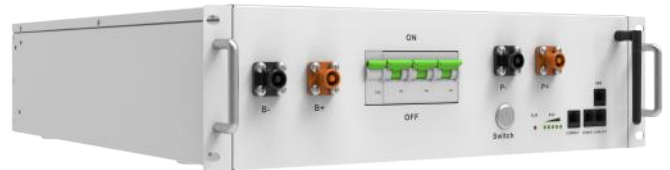
- Value for Battery Cell Only (Depth of Discharge 90%). Actual usable energy at the AC output may vary by condition, such as the battery converter, inverter efficiency and temperature.
- Leapton Energy recommends 50A@2.5kW for maximum battery module lifetime.Max dis-/charge current and power derating will occur related to temperature and SOC.



EH-B0P

High Voltage Battery cluster control box

Operating Voltage	200-750Vdc
Recommend Charge/Discharge Current	50A
Max.Charge/Discharge Current	100A
Operating Temperature Range	-20~65°C
Ingress Protection	IP20
Dimension (W/D/H)	434*570*135mm
Weight Approximate	12KG



EH-B05

5.12 kwh battery module

Battery Type	LiFePO4(LFP)
Nominal Voltage	51.2Vdc
Rated Capacity	100Ah
Rated Energy	5.12kWh
Max. Charge/Discharge Current	100A
Charge Temperature	0~55°C
Discharge Temperature	-20°C~55°C
Storage Temperature	0°C~35°C
Ingress Protection	IP20
Dimension (W/D/H)	434*570*135mm
Weight Approximate	49KG



PREVIEW





Packing list of EH-B05



①



②



③

NO.	Description	Quanaity
①	M6x16 Combination screws	4
②	Serial cable/L165mm,Red,25mm ²	1
③	Communication cable for battery/L160mm,RJ45 Plug	1

Packing list of EH-B0P



①



②



③



④



⑤



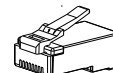
⑥



⑦



⑧



⑨

NO.	Description	Quanaity
①	M6x16 Combination screws	6
②	Positive connector/Orange	1
③	Negative connector/Black	1
④	Power cable-positive to Battery/L190mm,Red,25mm ²	1
⑤	Power cable-negative to Battery/L2265mm,Black,25mm ²	1
⑥	Communication cable for battery/L160mm,RJ45 Plug	1
⑦	Communication cable to PCS/L3000mm,RJ45 Plug	1
⑧	Ground wire/L1000mm,yellow green,6mm ²	1
⑨	Teminal resistor	2