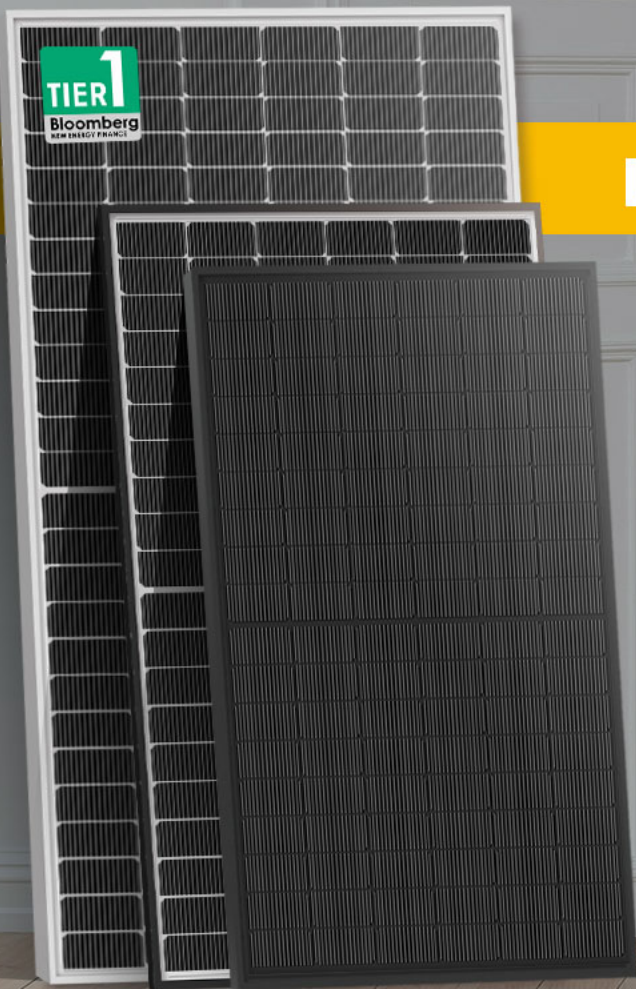




LEAPTON
SOLAR

1 Tier-1
BNEF

• N-TYPE SOLAR MODULE



日本からの太陽光発電スマート製造
LEAP FROM JAPAN TO THE WORLD

LEAPTON ENERGY PRESENTATION



BMS PARALLEL BOX •

BATTERY •



PART1

WHO IS LEAPTON ?

日本からの太陽光発電スマート製造

LEAP FROM JAPAN TO THE WORLD



ABOUT LEAPTON



BloombergNEF Tier-1 Listed

PVEL Top Performer



Customers From 67 Countries



800+ Employees Worldwide



3GW Capacity



Full Automatical Line

Headquartered in Japan as a world's leader in solar PV industry, Leapton Energy is specializing in manufacturing high quality Tier-1 solar module. Now the products of Leapton Energy is available in more than 65 countries and regions. With over 10 years of development in solar energy, Leapton Energy has built a solar module manufacture base Leapton Solar (Changshu) Co.,Ltd. in Jiangsu, China.

Leapton Energy produces high quality solar modules for 25 years product warranty, 25 years power warranty for standard module, 30 years power warranty for bifacial and N-type modules. Leapton can provide the most suitable modules for each solar system.



PRODUCT CERTIFICATION

CERTIFICATES OF SOLAR MODULE



CERTIFICATES OF ENERGY STORAGE SYSTEM





FROM JAPAN TO THE WORLD

Lepton Energy is a Japanese company and is also a project developer in Japan. It holds around 100 pieces of land reserve for power plant development. Lepton's own brand of PV module is sold to 65 countries and regions.

- More than 300 distributors
- 21 japan banks financing support
- Member of JPEA
- Member of JPEC



JAPAN Head Office

Lepton Energy Co., Ltd.

Tel: 0081-078-382-3182

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



JAPAN Branch Office

Lepton Energy Co., Ltd.

Tel: 0081-03-5510-7818

Add: F6 ShinsamBuilding 3-5-10 Shimbashi,
Minato-ku, Tokyo-to 105-0004, Japan



CHINA Manufactory

Lepton Solar (Changshu) Co., Ltd.

Tel: 0086-512-88800068

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



CHINA Branch Office

Lepton Engineering Technology (Shanghai) Co., Ltd.

Tel: 0086-21-53089708

Add: Room 1903, Block A, No. 388, Xijiangwan Road,
Hongkou District, Shanghai, 200083, P. R. China



AUSTRALIA Branch Office

Lepton Energy (Australia) Pty Ltd

Tel: 0061 1800978595

Add: 74th Moruya Drive, Port Macquarie NSW
2444, Australia



GERMAN Branch Office

LEAPTON ENERGY GmbH

Tel: 0049 221 65080 4011

Add: Subbelrather Str. 15A, Cologne, 50823,
German



BRAZIL Branch Office

LEAPTON ENERGY DO BRASIL LTDA

Tel: 0055 62 8586 3297

Add: 418 Funchal Street, E-Tower, #34 floor - Vila
Olimpia, Sao Paulo-SP, 04551-060, Brazil



AMERICA Branch Office

LEAPTON ENERGY LLC

Add: 4147 Ball Rd, Cypress, CA 90630, USA



Rotterdam Bonded Warehouse



Valencia Bonded Warehouse



BloombergNEF TIER-1 LISTED

Being consistently listed on Tier-1 for over three years, Lepton Energy not only bolsters our brand credibility and market edge but also earns international acclaim for our product quality. This enduring Tier-1 status empowers us to engage in government project bids and facilitates seamless bank project financing for our clients. As one of the rare Japanese companies on this list, Lepton Energy greatly assists our local clientele in Japan by securing enhanced bank financing support, ensuring smoother execution of large-scale photovoltaic power station projects.

Lepton Energy has got PVEL Top Performer in 2024.



Product Quality Approval



Government Project Bidding



Banks Financing Support



International Recognition

BloombergNEF

3Q 2024 Global PV Market Outlook

August 23, 2024

capacity commissioned despite the generous subsidies. The total cell imports in the first half of 2024 have hit the 5GW quota for cells exempt from the 14.25% Section 201 duty, and the quota has been increased to 12.5GW in August.

3.5. Tier 1 list – modules

Table 4 shows the module makers which, as of 3Q 2024, meet our criteria of supplying projects with non-recourse financing from six different commercial banks in the last two years, as tracked by our database.

Table 4: PV module manufacturers meeting BNEF's Tier 1 criteria as of 3Q 2024

Firm/brand	Annual module capacity, MW/year	Firm/brand	Annual module capacity, MW/year
		Lepton Energy*	3,000

Source: BloombergNEF Note: Methodology [here](#). * Denotes a company for which at least one Kiwa PVEL (formerly PV Evolution Labs) Product Qualification Program has been initiated in the past 18 months. Contact pvel@kiwa.com for access to the reports. Brands are shown in reverse alphabetical order. Companies can download the dataset of financings [here](#). * denotes companies that have initiated or completed technical due diligence testing with RETC over the last 18 months.



LEAPTON

CREDIT CERTIFICATE

dun & bradstreet



Business Information Report

This report prepared by Huaxia D&B China is sent to answer your inquiry on:

Leapton Solar (Changshu) Co., Ltd.
D-U-N-S® NUMBER: 55-440-6150

Prepared for : Leapton Solar (Changshu) Co., Ltd.
Subscriber Key : 927160122
Delivery Date : Aug 12, 2019
Printed on : Aug 12, 2019

Inquiry Date : Aug 05, 2019
Inquiry Subject : 江苏阳光(常熟)太阳能公司
Inquiry Address : 常熟
Inquiry Phone/Fax :
Inquiry Reference : CS Dept.

HDBC Compliance Report Updated to Version 6.0!

In Jun. 2016, Huaxia Dun & Bradstreet China completed a major update to the entire product family of Compliance Report, optimizing scope of information retrieval, content architecture and appearance design to deliver more professional and friendly experience to users.

The updated Version 6.0 encompasses China Business Compliance Report, China Business Consolidated Assessment Report and China Association Compliance Report, which helps companies understand business partners' compliance risks in a fast and objective manner, adapt to complex regulatory environments and uncertainties to avoid potential adverse influences and losses.

- **Highlights:**
 - **Complete screenings:** identify regulatory compliance risks by screening adverse media information and public records through multiple local and international channels.
 - **Precise positioning:** identify potential compliance risks of target groups and their affiliates through screening their litigation records and adverse media coverage.
 - **Rapid judgment:** help clients identify risk points of partners with risk signals and make business decisions based on our prevention and improvement advices out of professional judgment.
 - **Holistic analysis:** evaluate credit risks while screening compliance risks, to give clients multifaceted insights of potential partners to facilitate their business decision.
- To subscribe the new version, please contact your customer representatives or call 400-820-3536.

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CURRENCY

All monetary amounts quoted in this report are shown in Renminbi(RMB) unless otherwise stated.

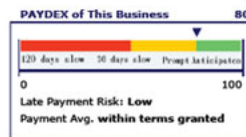
REMARK

"-" stands for "Insufficient information" or "No comments".

Risk Assessment



D&B Rating	3A2 (Previous 3A3)
Financial Strength	3A 8,500,000 - 84,999,999
Composite Appraisal	2 Good



leapton solar risk assessment: risk warning
below average risk, payment index close
to 80, no overdue arrears and financial
strength of 3A2.

System Columns:

Business Performance (Unit: thousand yen) (△=Loss)

(increase %)	March 2021	March 2022	March 2023
Net Sales	11,704,576 32.1	29,366,529 150.9	47,989,454 63.4
Operating Income	146,122 △32.5	228,313 56.2	238,126 4.3
Ordinary Income	292,377 38.5	793,458 171.4	734,916 △7.4
Net Benefits	382,902 169.6	697,477 82.2	646,334 △7.3
Proceeds From Filing	-	-	-

Business composition (Unit: %)

	March 2021	March 2022	March 2023
Solar Module (Overseas)	63.7	86.2	90.9
Solar Module (Domestic)	35.0	13.0	8.5
Income From Selling Electricity	1.3	0.8	0.6

Evaluation

Evaluation by Credit Factor

History Scale (1~5)	4	Vitality (4~19)	13
Capital Structure (0~12)	6	Add Point (+1~+5)	-
Enterprise Size (2~19)	10	Minus Points (-1~-10)	-
Profit (0~10)	10	Total (100)	-
Status Of Funds (0~20)	10		66
Executive (1~15)	13		

Credit Level

A (86~100)
B (66~85)
C (51~65)
D (36~50)
E (35以下)

Grading Trends

Aug. 2020	26	60
Jan. 2021	14	60
Jun. 2021	17	63
Sep. 2021	7	64
Jun. 2022	15	66
Jun. 2023	23	66



＜調査先企業＞
リープトンエネルギー株式会社

株式会社 帝国データバンク

＜社外掲載＞

調査報告書 Investigation Report

調査報告書取扱規定

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- 弊社は、調査報告書の内容について第三者への開示を一切行いません。

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BNR_202304_10-01

Leapton Energy has achieved a remarkable 66 points in the Teikoku Databank rating, placing it in the top 0.5% of all Japanese companies. This high rating underscores our excellent creditworthiness and operational performance, enhancing trust and opening new business opportunities.

JAPANESE BANK SUPPORT

Low cost of Japanese bank financing

Banks in cooperation

 みずほ銀行

 みなと銀行

 徳島大正銀行

 三井住友信託銀行
SANWA MITSUBISHI TRUST BANK

 あしたも、いっしょに。
中国銀行

 広島銀行

 三菱東京UFJ銀行
MUFG

 人を思う。未来を想う。
商工中金
SHOKO CHUKIN BANK

 伊予銀行

 ひろがる夢とたしかな未来
播州信用金庫

 関西
関西みらい銀行

 リソナ銀行
RESONA

 JFC 日本政策金融公庫

 Face to Face 神戸信用金庫
KOBELI CREDIT CO. LTD.

 日新信用金庫

 いい出会い 未来を共に
百十四銀行

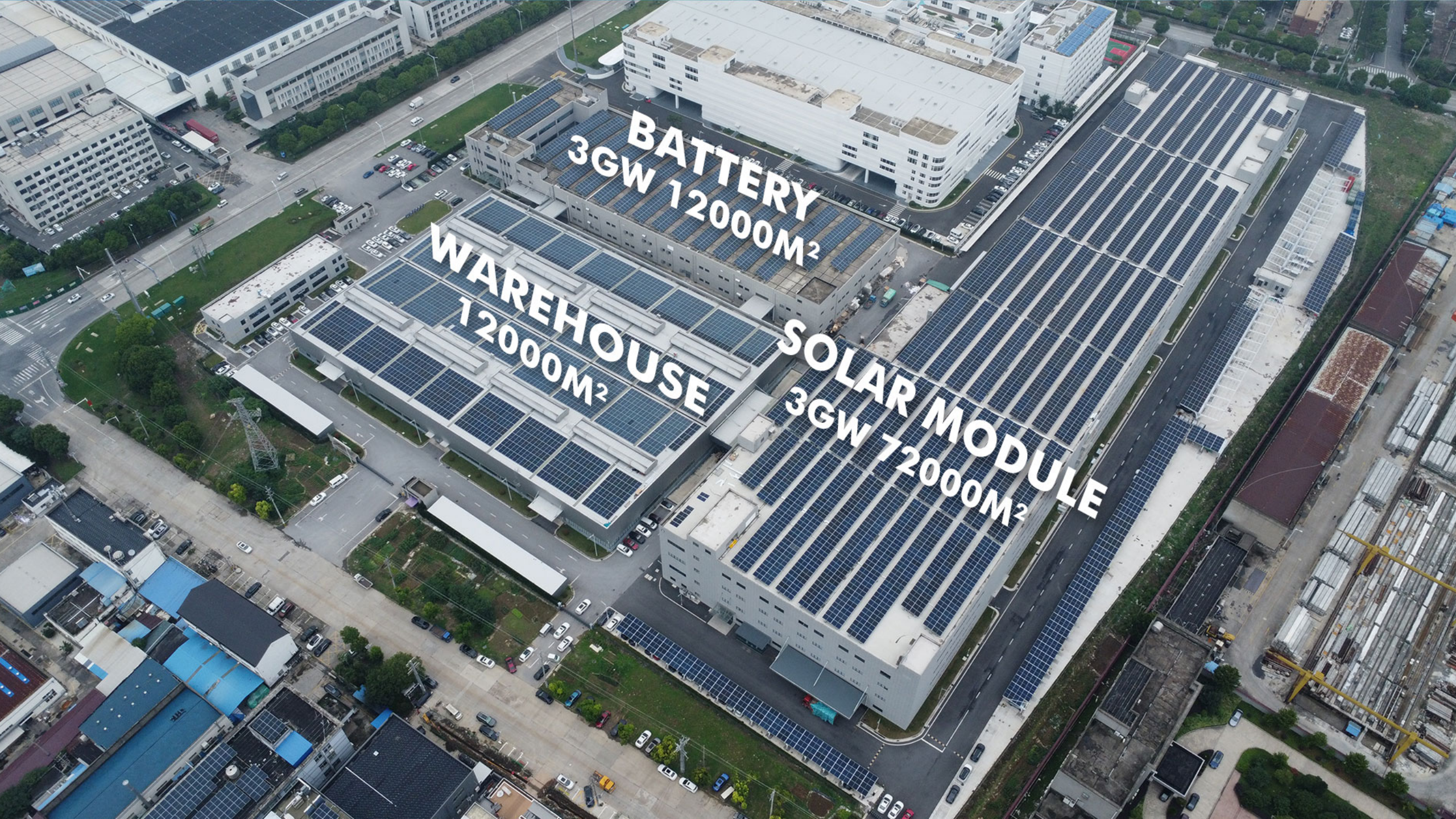
 三井住友銀行
SMBC SUMITOMO MITSUBISHI BANKING CORPORATION

 阿波銀行

 高知銀行

 池田泉州銀行
IKEDA BANK

 紀陽銀行



BATTERY
3GW 12000M²

WAREHOUSE
12000M²

SOLAR MODULE
3GW 72000M²



PART2

NEW PRODUCT INTRODUCTION

BATTERY ENERGY STORAGE SYSTEM

LEAPTON ENERGY

BATTERY

EL-A05



BATTERY- 5.12kWh



SAFE & RELIABLE

Reliable LFP battery cell with high cycle stability.



HIGH EFFICIENCY

Charge and discharge with high efficiency.



CYCLE LIFE

≥6000 cycles.



FLEXIBLE INVESTMENT

5kWh Modular Design, Flexibility Configuration-Max. 8 cluster in parallel (40.96kWh).



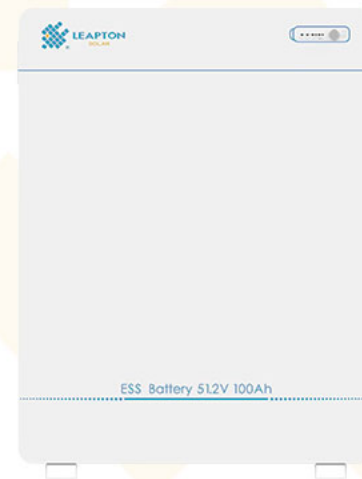
PERFECT COMPATIBILITY

Suitable for 1 and 3 phase, hybrid and retrofit inverters.



1C@25°C RATE SUPPORT

Maximum charge/ discharge rate 1C@25°C



• EL-A05

800mm*560mm*195mm



■ ■ ■ SWITCH YOUR LIFE
ENERGY STORAGE SOLUTIONS



LOW VOLTAGE BATTERY EL-A05



PERFECT COMPATIBILITY

Suitable for 1 and 3 phase, hybrid and retrofit inverters



CYCLE LIFE

>6000 cycles



1C@25°C RATE SUPPORT

Maximum charge/discharge rate
1C@25°C



SAFE & RELIABLE

Reliable LFP battery cell with high cycle stability



FLEXIBLE INVESTMENT

5kWh Modular Design, Flexibility
Configuration-Max. 8 cluster in parallel



HIGH EFFICIENCY

Charge and discharge with high efficiency



TECHNICAL PARAMETERS

Battery Module	EL-A05
Rated Energy(kWh) ¹	5.12
Usable Energy (kWh) ¹	4.6
Battery Module Energy	5.12kWh
Cell Type	LFP (LiFePO ₄)
Cell Configuration	16S1P
Rated Capacity(Ah)	100
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	40~57.6
Recommend Voltage Range (V)	44.8~56.8
Recommend Charge/ Discharge Current (A)	50
Recommend Charge/ Discharge Power (kW)	2.56
Max. Charging/ Discharging Current (A) ²	100
Max. Charging/ Discharging Power (kW) ²	5.12
Weight (kg)	45
Dimensions (W × H × D mm)	454*585*135
Communication	RS485,RS232,CAN
Operating Temperature (°C)	Charge: 0 ~ +50; Discharge: -20 ~ +50
Operating Temperature (Recommended) (°C)	15~30
Relative Humidity	5%~95%
Cycle Life	>6000 (25°C @ 77°F)
Recommend DOD	90%
Environment	Indoor
Cooling	Natural convection
Ingress Protection Rating	IP20
Max. Operating Altitude (m)	2000
Mounting Method	Floor stand
Certificates	CE, IEC62619, UN38.3
Product Warranty	10 years warranty

Note

1. 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.

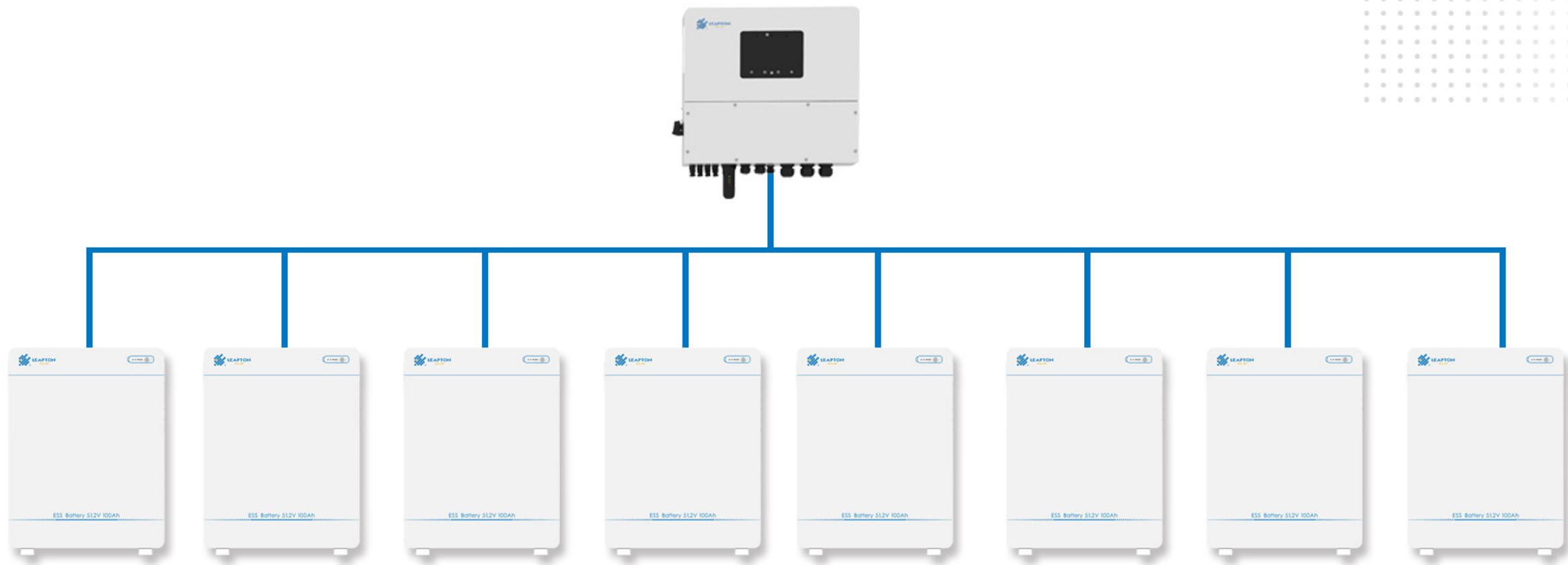
2. Lepton Energy recommends 50A@2.5kW for maximum battery module lifetime. Max dis-/charge current and power derating will occur related to temperature and SOC.

■ Headquarters: Lepton Energy Co., Ltd. ☎ 81-78-382-3182
📍 F6 Tosei Building 1-2-1 Aioicho Chuo-ku, Kobe-shi, Hyogo-ken 650-0025, Japan

■ Factory: Lepton Solar (Changshu) Co., Ltd. ☎ 86-512-88800068
📍 No.9 Sunshine Avenue, Changshu, Suzhou city, Jiangsu province, 215500, P. R. China

🌐 www.leptonpv.com ✉ info@leptonenergy.com

CONNECTION DIAGRAM FOR EL-A05



Low voltage energy storage batteries can be connected in parallel with up to 8 units.

$$5.12 * 8 = 40.96 \text{ kWh}$$

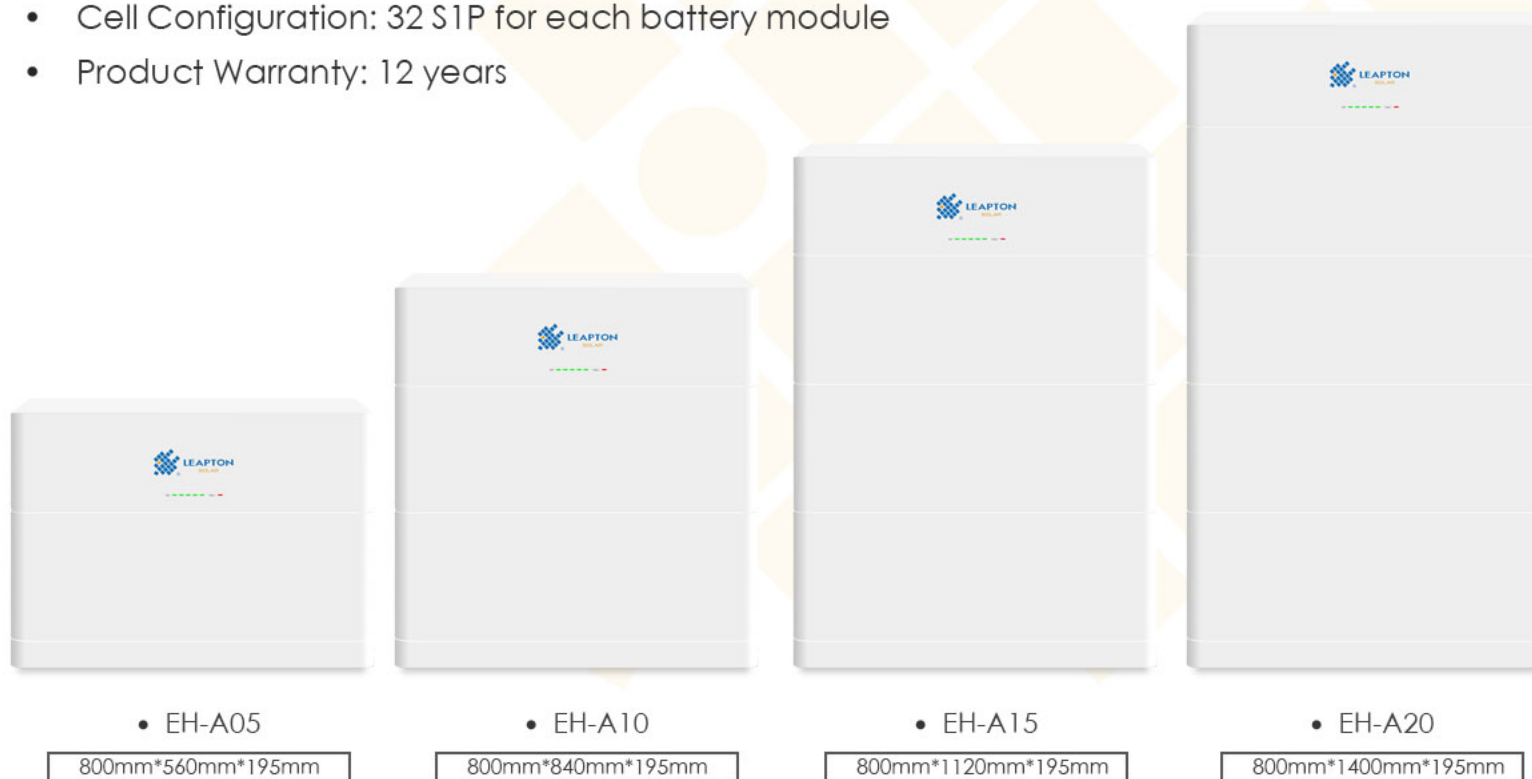
LEAPTON ENERGY

BATTERY

EH-A05~A20

BATTERY- 5.12kWh~20.48kWh

- Reliable LFP battery cell with high cycle stability
- 5kWh Modular Design, Flexibility Configuration-10.2kWh/15.3kWh/20.4kWh
- Charge and discharge with high efficiency
- Suitable for 1 and 3 phase, hybrid and retrofit inverters
- IP65 for both indoor and outdoor installation safety
- Stackable standard modules
- Cell Configuration: 32 S1P for each battery module
- Product Warranty: 12 years





■ ■ ■ SWITCH YOUR LIFE
ENERGY STORAGE SOLUTIONS

HIGH VOLTAGE BATTERY EH-A05



PERFECT COMPATIBILITY

Suitable for 1 and 3 phase, hybrid and retrofit inverters



IP65 RATING

IP65 for both indoor and outdoor



EASY INSTALLATION

Stackable standard modules



SAFE & RELIABLE

Reliable LFP battery cell with high cycle stability



FLEXIBLE INVESTMENT

5kWh Modular Design, Flexibility Configuration-10.2kWh/15.3kWh/20.4kWh



HIGH EFFICIENCY

Charge and discharge with high efficiency



TECHNICAL PARAMETERS

Battery Module	EH-A05-102/102	EH-A05-102/204	EH-A05-102/307	EH-A05-102/409
Rated Energy(kWh) ¹	5.12	10.24	15.36	20.48
Usable Energy (kWh) ¹	4.6	9.2	13.8	18.4
Battery Module Energy	EHA05/5.12kWh			
Number of Modules	1	2	3	4
Cell Type	LFP (LiFePO ₄)			
Cell Configuration	32S1P	64S1P	96S1P	128S1P
Rated Capacity(Ah)	50			
Nominal Voltage (V)	102.4	204.8	307.2	409.6
Operating Voltage Range (V)	91.2~115.2	182.4~230.4	273.6~345.6	364.8~460.8
Recommend Charge/ Discharge Current (A)	25			
Recommend Charge/ Discharge Power (kW)	2.56	5.12	7.68	10.24
Max. Charging/ Discharging Current (A) ²	50			
Max. Charging/ Discharging Power (kW) ²	5.12	10.24	15.36	20.48
Weight (kg)	70	125	180	235
Dimensions (W × H × D mm)	800*560*195	800*840*195	800*1120*195	800*1400*195
Communication	CAN/RS485			
Operating Temperature (°C)	Charge: 0 ~ +50; Discharge: -20 ~ +50			
Operating Temperature (Recommended) (°C)	15~30			
Relative Humidity	5%~95%			
Cycle Life	>6000 (25°C @ 77°F)			
Recommend DOD	90%			
Environment	Outdoor / Indoor (*Please refer to the user manual for installation condition)			
Cooling	Natural convection			
Ingress Protection Rating	IP65			
Max. Operating Altitude (m)	2000			
Mounting Method	Floor stand			
Certificates	CE, IEC62619, UN38.3			
Performance Warranty	12 Years			
Note				

1. 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.

2. Leapton Energy recommends 25A@2.5kW for maximum battery module lifetime. Max dis-/charge current and power derating will occur related to temperature and SOC.





■ ■ ■ SWITCH YOUR LIFE
ENERGY STORAGE SOLUTIONS



BMS PARALLEL BOX

BP02-H05 / BP03-H05

- Compatible with single or dual battery interfaces from different inverter brands.
- Flexible combinations to achieve 40kWh to 120kWh, meeting various household energy needs.
- Intelligent monitoring.



■ Headquarters: Leapton Energy Co., Ltd. ☎ 81-78-382-3182
📍 F6 Tosei Building 1-2-1 Aioicho Chuo-ku, Kobe-shi, Hyogo-ken 650-0025, Japan

■ Factory: Leapton Solar (Changshu) Co., Ltd. ☎ 86-512-88800068
📍 No.9 Sunshine Avenue, Changshu, Suzhou city, Jiangsu province, 215500, P. R. China

🌐 www.leaptonpv.com ✉ info@leaptonenergy.com

Model name

BP02-H05

BP03-H05

NOMINAL CHARACTER (Battery Pack)	EHA05-30	EHA05-40	EHA05-60
Nominal voltage [V]	307.2	409.6	409.6
Operating voltage [V]	273.6~345.6	364.8~460.8	364.8~460.8
Total energy [kWh]	30.72	40.96	61.44
Standard power [kW]	7.68	10.24	10.24
Max. power [kW]	15.36	20.48	20.48
Protective Class	I		
Recommend charge/discharge current [A]	25		
Max. charge/discharge current [A]	50		

ENVIRONMENT REQUIREMENT

Operating charge/discharge temperature range [°C]	0~55
Storage temperature [°C]	-20 ~ +55 (3 months) / 0 to 40 (1 year)
Humidity [%]	5%~95%
Altitude [m]	≤2000
Protection	IP65

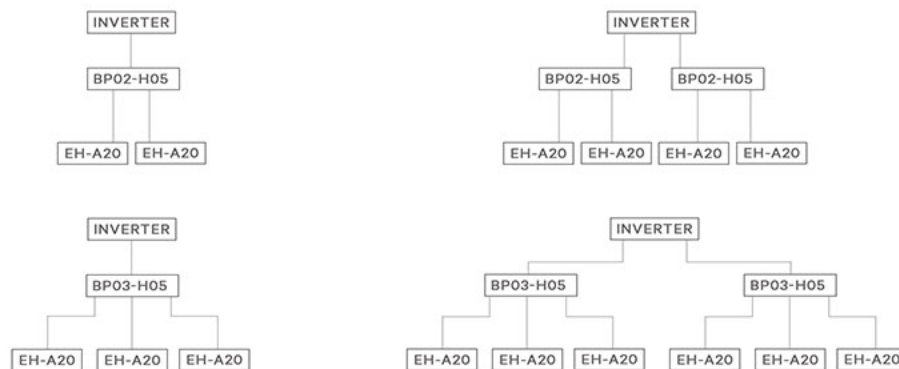
COMMUNICATION

System to inverter	CAN
Battery to battery/BMS	CAN
Master control LED indicator working mode	LED
Switch on/off	Button

GENERAL

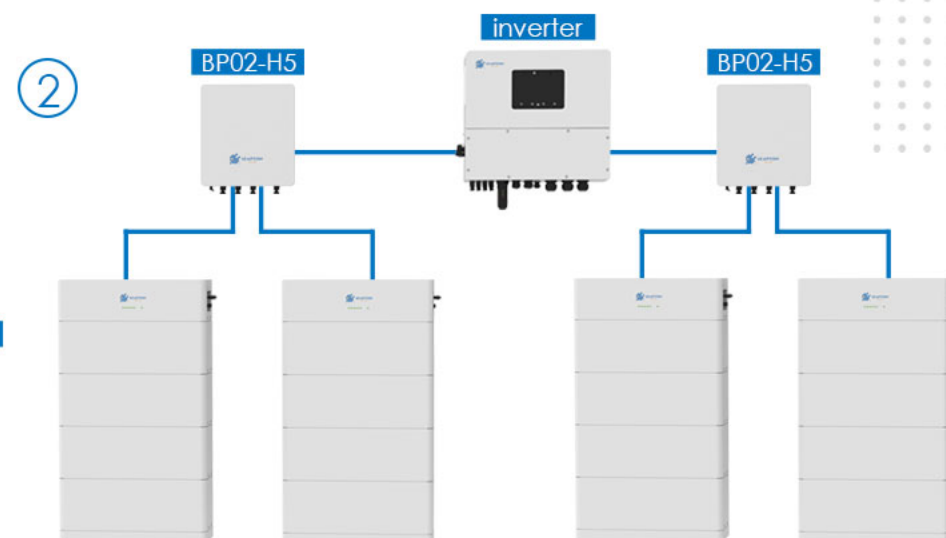
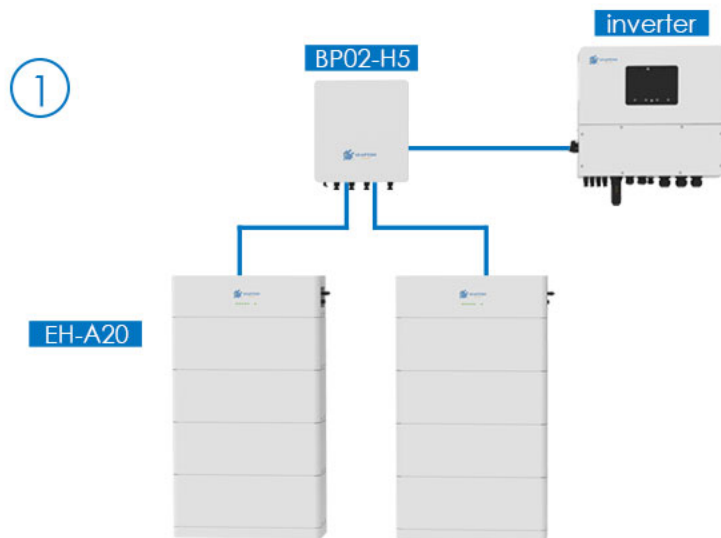
Dimensions(LxWxH) [mm]	364.4*310*154
Weight [kg]	10.1
Expected life [years]	5
Certificates	CE

DIAGRAM

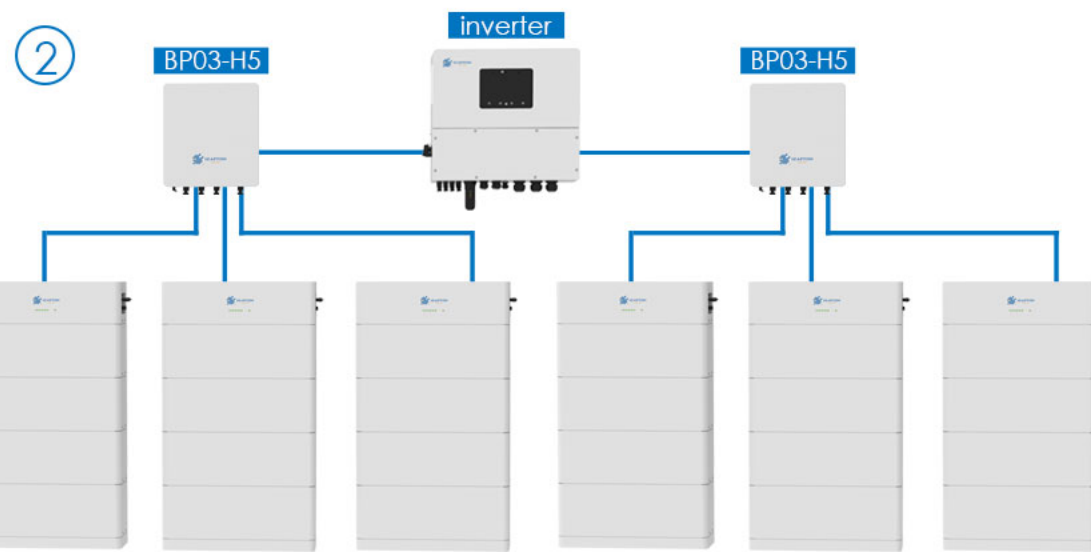
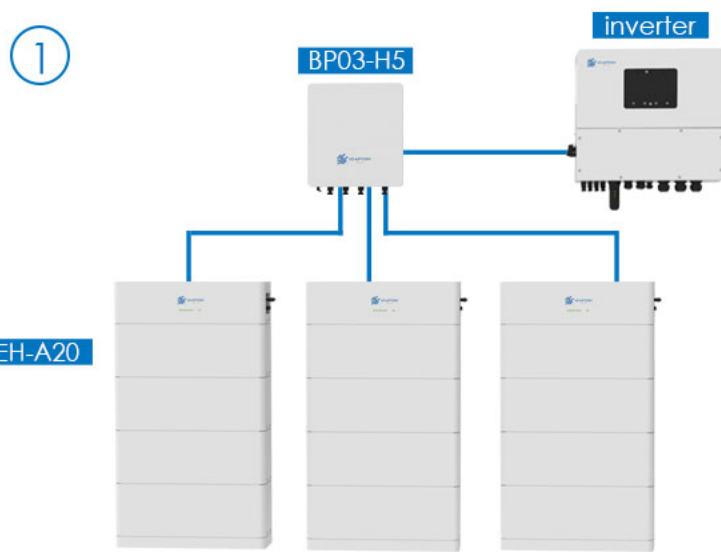


CONNECTION DIAGRAM FOR EH-A20

BP02-H5

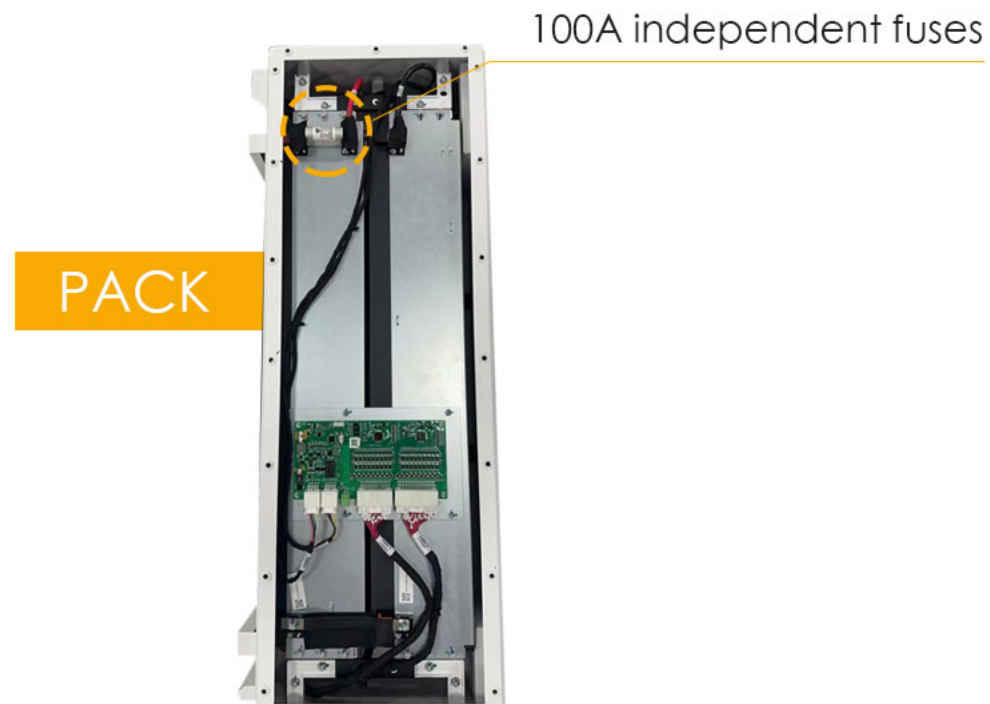
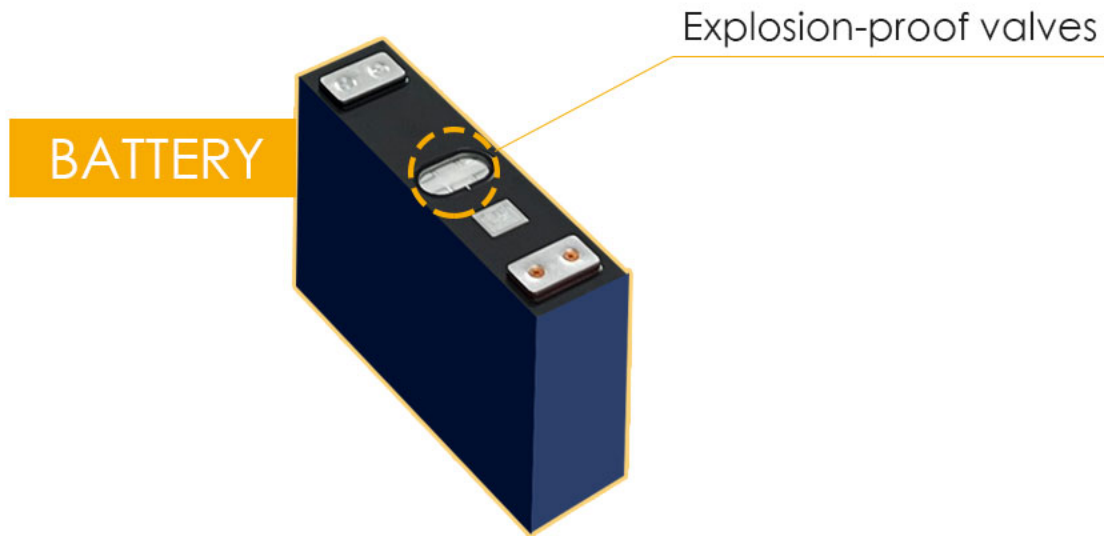


BP03-H5



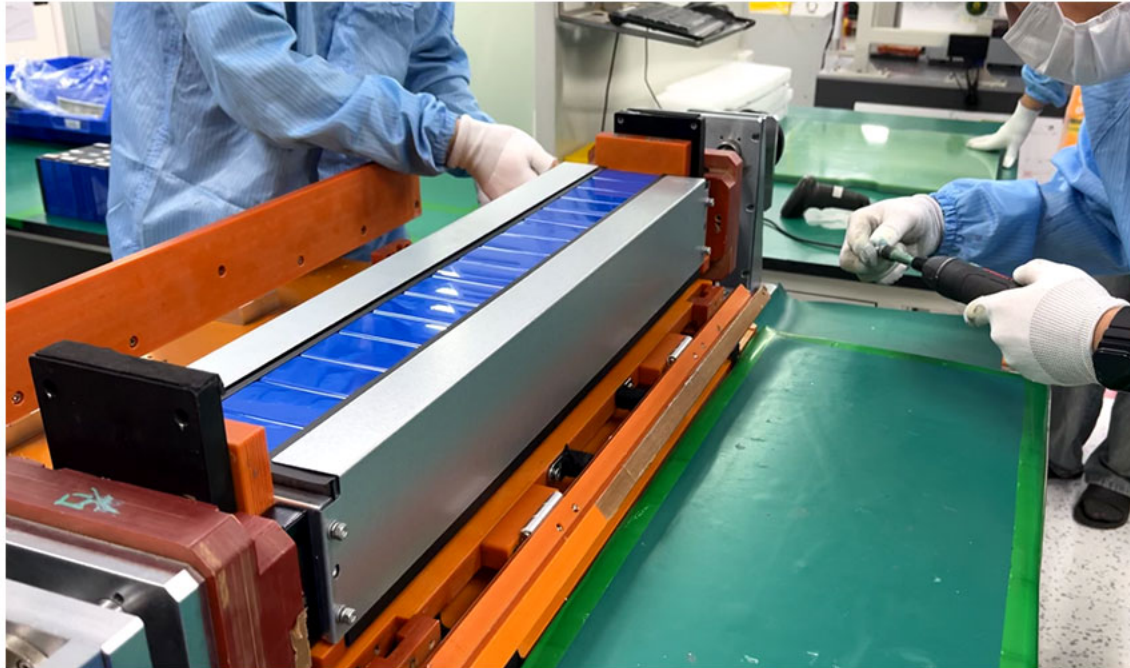
SAFE SYSTEM

Battery equipped with BMS (Battery Management System) for real-time monitoring and protection against overheating, overcharging, overdischarging, and overloading. The protective functions are controlled by the BMS, which activates relays as the primary layer of protection. In the event of a severe fault, an air switch can also provide additional protection. Each battery pack has independent fuses to protect individual modules in case of circuit faults or unexpected short circuits. Explosion-proof valves are installed on the skin case of each battery pack to release gas in extreme situations, preventing excessive internal pressure.



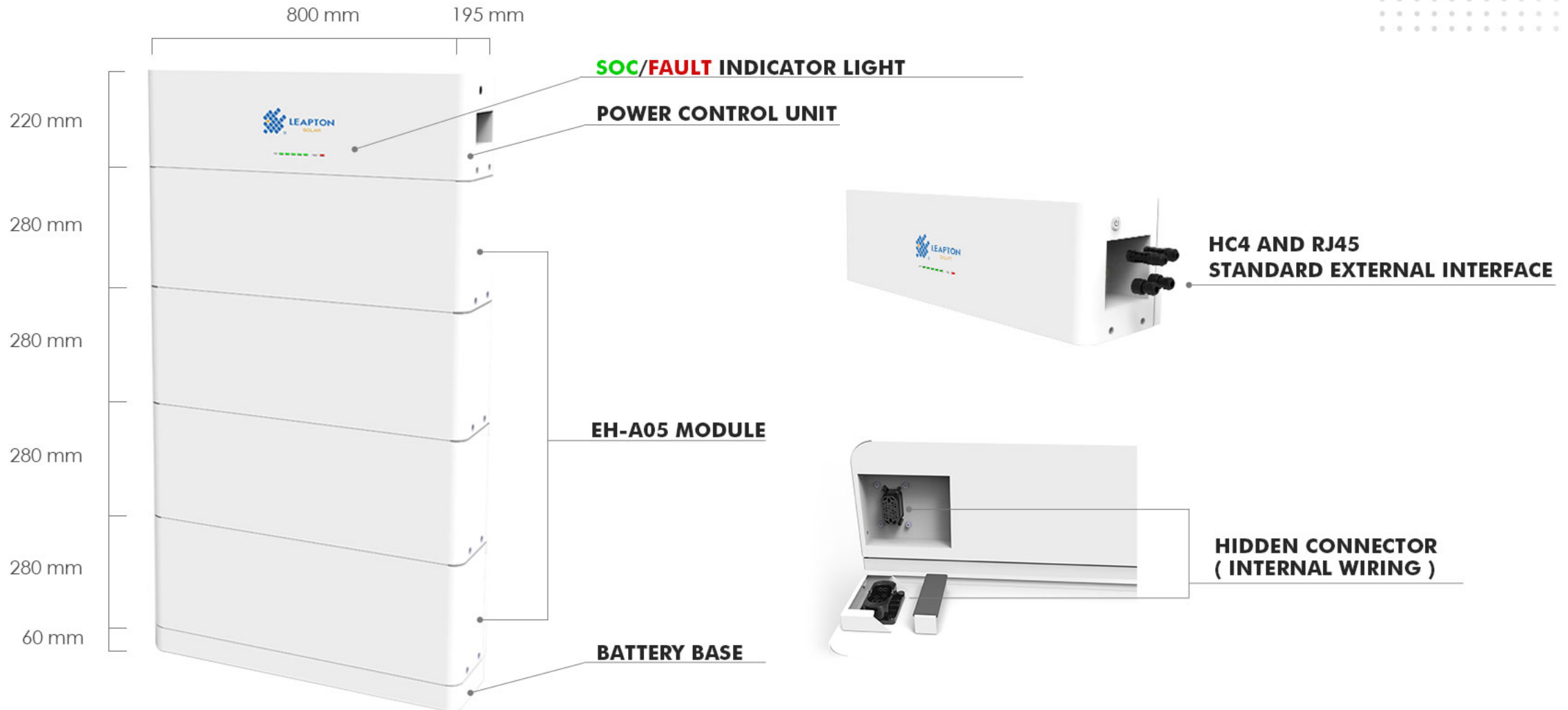
CONSTRUCTION OF A SINGLE MODULE

The construction of a single module consists of 16 battery cells connected in two series, totaling 32 battery cells. The brand of the battery cells is REPT, and each cell has a voltage of 3.2V and a capacity of 50AH. The total voltage of a single module is 102.4V, with a capacity of 50AH, equivalent to 5.12 kWh of electricity. The module provides sufficient power supply.

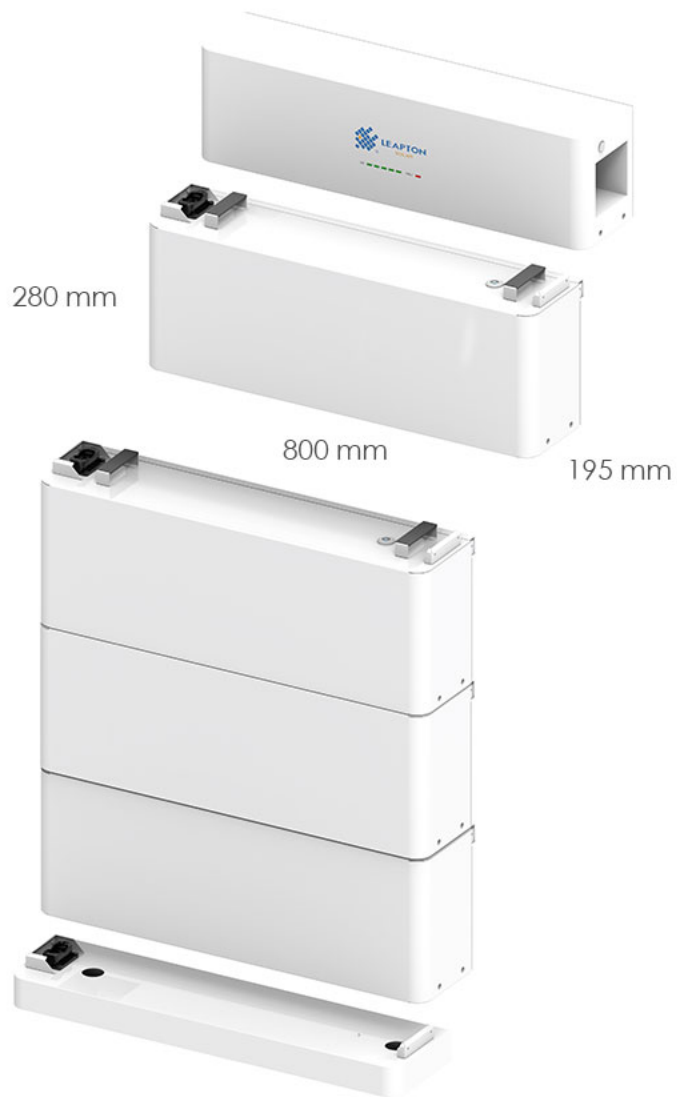


RELIABLE DESIGN

Reliable LFP battery with high cycling and stability



MODULAR DESIGN



5 kWh MODULAR DESIGN

The configuration includes: 5.1kWh/10.2kWh/15.3kWh/20.4kWh

SAVE INSTALLATION TIME

Modular internal connection, no need for field wiring, plug and play
Each battery module size is 800mm*280mm*195mm

SAVE SPACE

The floor area is only 800mm * 195mm, with a floor area of 0.156 m²

SIMPLE CHECKING

Yet connected, each module is still independent. It means, if any battery module has problem, you just remove it from the kit and replace it by a new module.

FAST CHARGING

Under normal conditions and 25A current, it takes up to 2 hours to fully charged



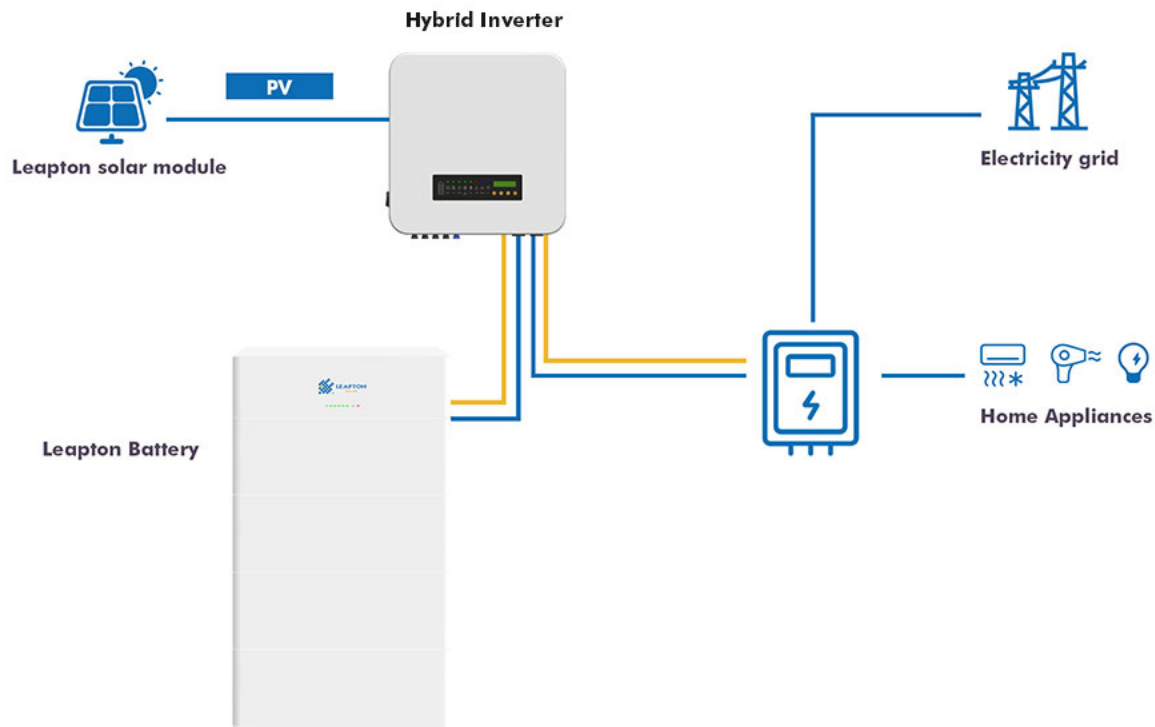
Leapton Battery has passed rigorous charging and discharging tests, with a maximum charging time of no more than 2 hours

STRONG COMPATIBILITY

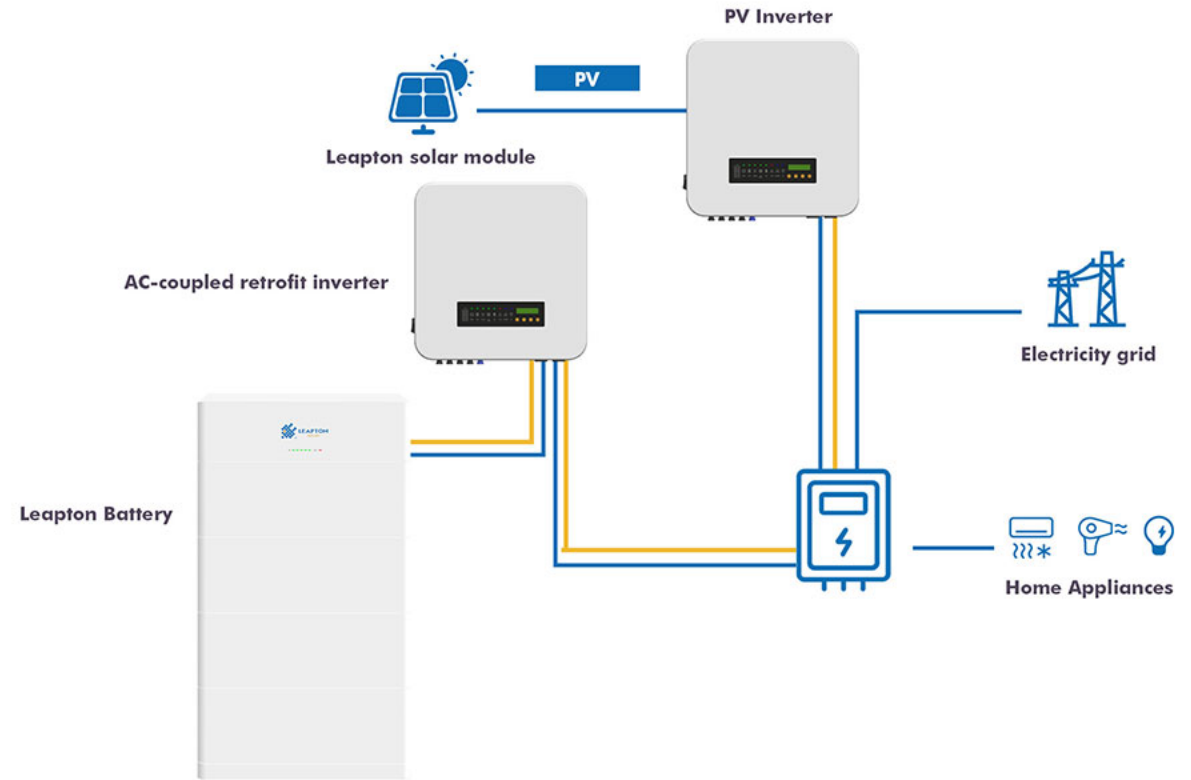
A universal protocol suitable for single-phase and three-phase hybrid inverters and retrofitted inverters supporting the development of inverter protocol.

— Power line — Signal line

HYBRID FOR NEW INSTALLATION



AC-COUPLED RETROFIT INVERTER FOR RETROFIT INSTALLATION



PART4

TRANSPORTATION AND INSTALLATION

日本からの太陽光発電スマート製造

LEAP FROM JAPAN TO THE WORLD

PACKING DESCRIPTION



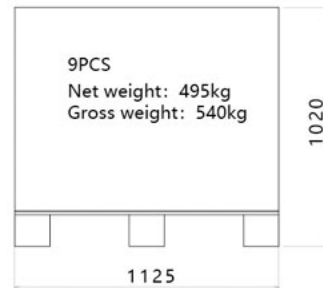
11340											
2250	18PCS	18PCS	18PCS	18PCS	18PCS	18PCS	18PCS	18PCS	18PCS	18PCS	18PCS
	18PCS	18PCS	18PCS	18PCS	18PCS	18PCS	18PCS	18PCS	18PCS	18PCS	18PCS

5670						
2250	18PCS	18PCS	18PCS	18PCS	18PCS	18PCS
	18PCS	18PCS	18PCS	18PCS	18PCS	18PCS

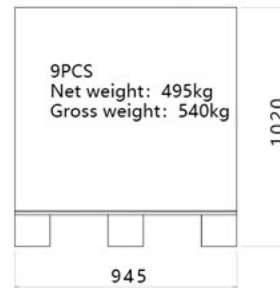
TOTAL 432 PCS IN 40 HQ CONTAINER

TOTAL 216 PCS IN 20 HQ CONTAINER

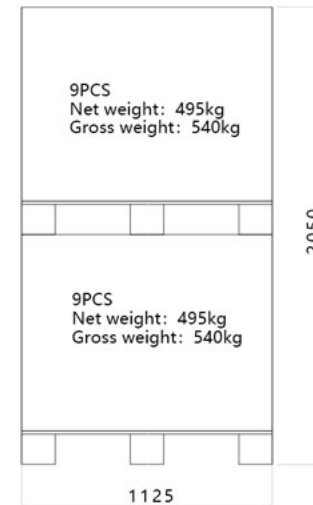
PCS/PALLET



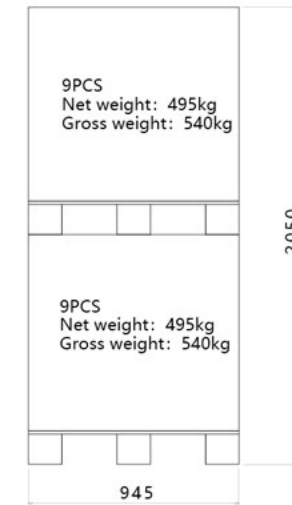
9 pcs each pallet (total 48 pallets)
Front view



9pcs each pallet (total 48 pallets)
side view



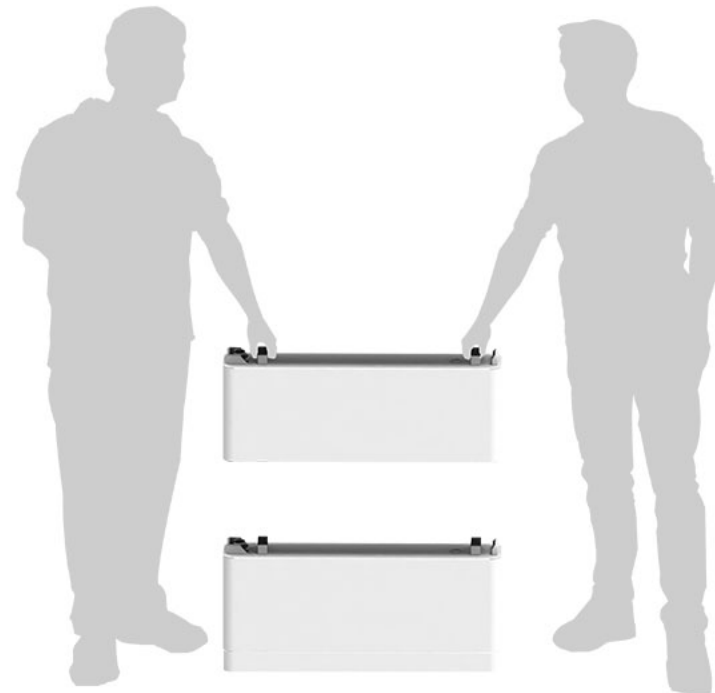
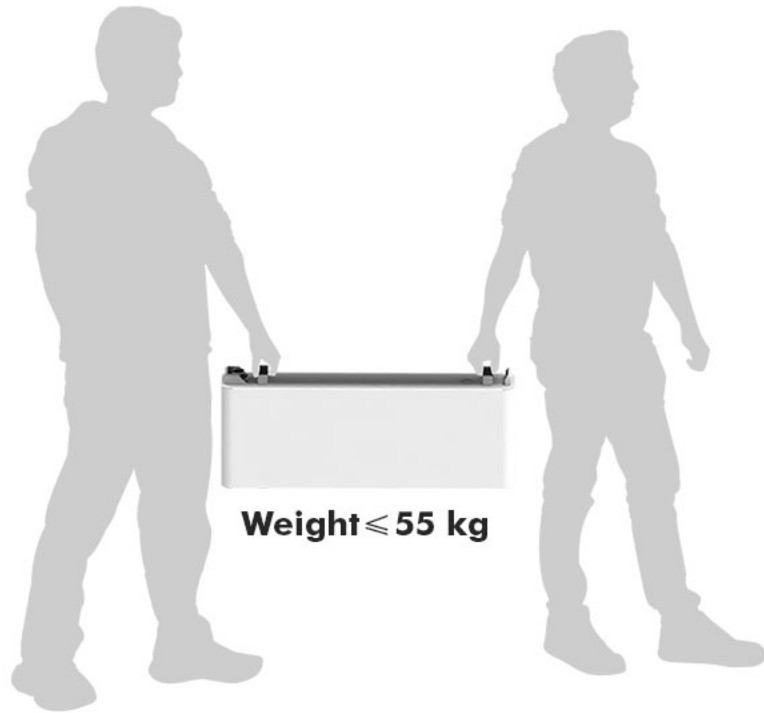
18 pcs each pallet (total 48 pallets)
Front view



18 pcs each pallet (total 48 pallets)
side view

SIMPLE INSTALLATION

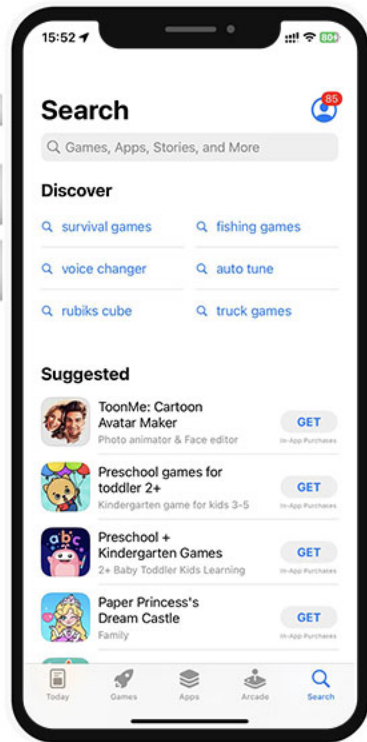
The module weight is less than 55kg
It only requires two people to install, the operation is very simple



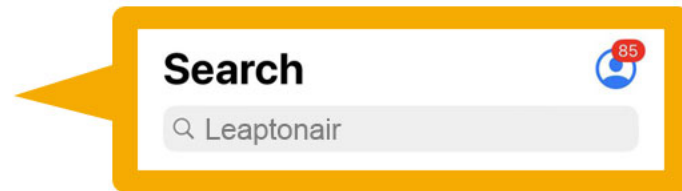
ONLINE REMOTE MONITORING AND INTELLIGENT CONTROL VIA APP

Download “Leaptonair” in APP STORE

1. Open Appstore

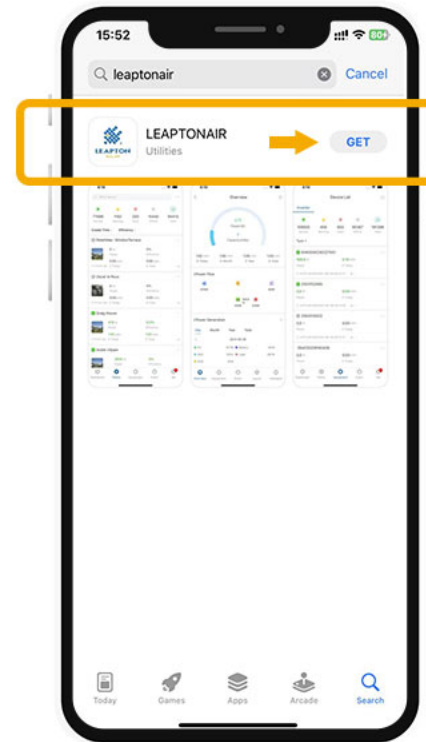


2. Search Leaptonair

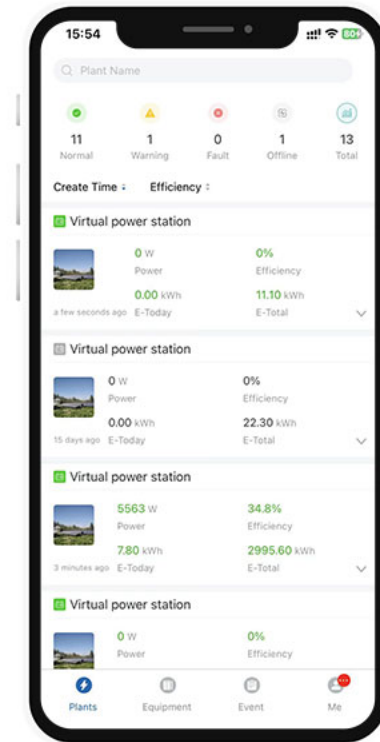


APP Store

3. Download Leaptonair



4. Open Leaptonair and control



PRE SALES TRAINING





THANK YOU

LEARN MORE ON WWW.LEAPTONPV.COM

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ENERGY STORAGE SOLUTIONS

LEAPTON ENERGY

EH-A60



Compatible with most mainstream inverters on the market.



Multiple battery modules can be connected in parallel to expand capacity and power.



Standard 19-inch module, stackable and mountable in a rack.



5 kWh module design, expandable to 20~60 kWh.

■ Headquarters: Leapton Energy Co., Ltd. ☎ 81-78-382-3182
📍 F6 Tosei Building 1-2-1 Aioicho Chuo-ku, Kobe-shi, Hyogo-ken 650-0025, Japan

■ Factory: Leapton Solar (Changshu) Co., Ltd. ☎ 86-512-88800068
📍 No.9 Sunshine Avenue, Changshu, Suzhou city, Jiangsu province, 215500, P. R. China

🌐 www.leaptonpv.com

✉ info@leaptonenergy.com

MAIN PARAMETER



Model	EH-A60	
Cell Chemistry	LiFePO4	
Module Energy (kWh)	5.12	
Module Nominal Voltage (V)	51.2	
Module Capacity (Ah)	100	
Battery Module Qty In Series (Optional)	12	
System Nominal Voltage (V)	614.4	
System Operating Voltage (V)	480~700.8	
System Energy (kWh)	61.44	
System Usable Energy (kWh)	55.29	
Charge/Discharge Current (A)	Recommend	50
	Nominal	100
Working Temperature (°C)	Charge: 0~55/Discharge: -20~55	
Communication Port	CAN2.0/ RS485	
Humidity	5%~85%RH	
Altitude	≤2000m	
IP Rating of Enclosure	IP20	
Dimension (W/D/H,mm)	RACK	551*590*2100
	Stackup	484*570*1816
Installation Location	RACK Mounting	
	Stack Mounting	
Storage Temperature (°C)	0~35 Recommend Depth	
Weight Approximate (kg)	665	
Recommend Depth of Discharge	90%	
Cycle Life	25±2°C,0.5C/0.5C, ≥6000	
Warranty	10years	
Certification	IEC62619/CE/UN38.3	

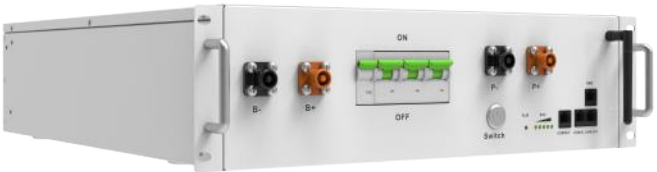


SYSTEM COMPONENTS

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

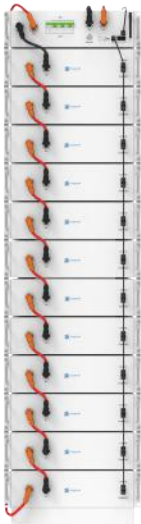
5.12 kwh battery module

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



OPTIONS

OPTION 1



OPTION 2





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BMS PARALLEL BOX

BP02-H05 / BP03-H05

- Compatible with single or dual battery interfaces from different inverter brands.
- Flexible combinations to achieve 40kWh to 120kWh, meeting various household energy needs.
- Intelligent monitoring.

■ Headquarters: Leapton Energy Co., Ltd. ☎ 81-78-382-3182
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🌐 www.leaptonpv.com ✉ info@leaptonenergy.com

Model name

BP02-H05

BP03-H05

NOMINAL CHARACTER (Battery Pack)

	EHA05-30	EHA05-40	EHA05-60
Nominal voltage [V]	307.2	409.6	409.6
Operating voltage [V]	273.6~345.6	364.8~460.8	364.8~460.8
Total energy [kWh]	30.72	40.96	61.44
Standard power [kW]	7.68	10.24	10.24
Max. power [kW]	15.36	20.48	20.48
Protective Class	I		
Recommend charge/discharge current [A]	25		
Max. charge/discharge current [A]	50		

ENVIRONMENT REQUIREMENT

Operating charge/ discharge temperature range [°C]	0~55
Storage temperature [°C]	-20 ~ +55 (3 months) / 0 to 40 (1 year)
Humidity [%]	5%~95%
Altitude [m]	≤2000
Protection	IP65

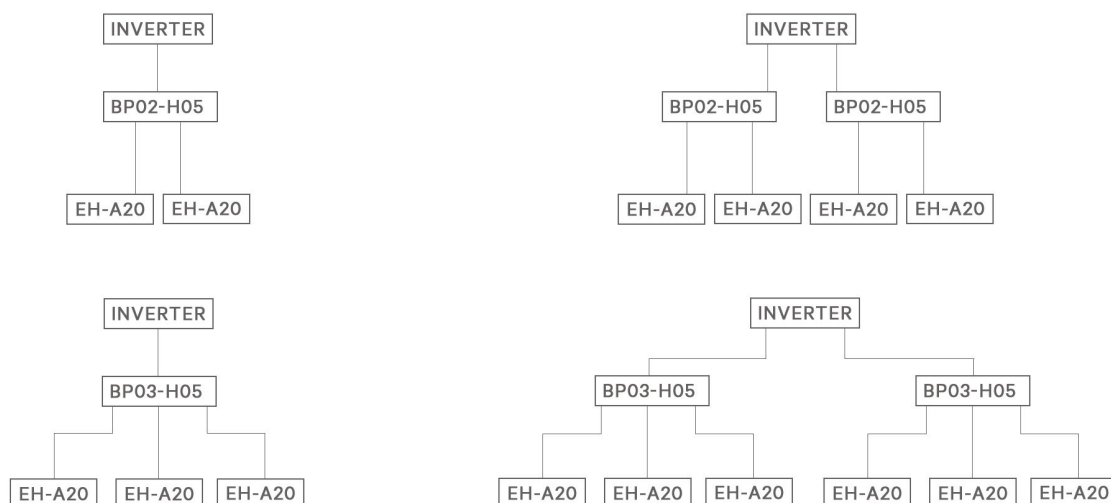
COMMUNICATION

System to inverter	CAN
Battery to battery/BMS	CAN
Master control LED indicator working mode	LED
Switch on/off	Button

GENERAL

Dimensions(LxWxH) [mm]	364.4*310*154
Weight [kg]	10.1
Expected life [years]	5
Certificates	CE

DIAGRAM





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LOW VOLTAGE BATTERY EL-A2.56



PERFECT COMPATIBILITY

Suitable for 1 and 3 phase, hybrid and retrofit inverters



CYCLE LIFE

6000 cycles



1C@25°C RATE SUPPORT

Maximum charge/ discharge rate
1C@25°C



SAFE & RELIABLE

Reliable LFP battery cell with high cycle stability



INTELLIGENT BMS

Automatically manage charge and discharge state



HIGH EFFICIENCY

Charge and discharge with high efficiency

CONTACT

■ Headquarters: Leapton Energy Co., Ltd. ☎ 81-78-382-3182
📍 F6 Tosei Building 1-2-1 Aioicho Chuo-ku, Kobe-shi, Hyogo-ken 650-0025, Japan

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✉ info@leaptonenergy.com



TECHNICAL PARAMETERS

Battery Module	EL-A2.56
Rated Energy(kWh) ¹	2.56
Usable Energy (kWh) ¹	2.3
Cell Type	LFP (LiFePO ₄)
Cell Configuration	8
Rated Capacity(Ah)	100
Nominal Voltage (V)	25.6
Operating Voltage Range (V)	20~28.8
Recommend Voltage Range (V)	22.4~28.4
Recommend Charge/ Discharge Current (A)	50
Recommend Charge/ Discharge Power (kW)	1.28
Max. Charging/ Discharging Current (A) ²	100
Max. Charging/ Discharging Power (kW) ²	2.56
Weight (kg)	28
Dimensions (W × H × D mm)	350*260*180
Communication	CAN
Operating Temperature (°C)	Charge:0~+50;Discharge:-20~+50
Operating Temperature (Recommended) (°C)	15~30
Relative Humidity	5%~95%
Cycle Life	6000
Recommend DOD	90%
Environment	Indoor
Cooling	Natural convection
Ingress Protection Rating	IP65
Max. Operating Altitude (m)	2000
Mounting Method	Wall-mounted
Certificates	CE, UN38.3
Product Warranty	10 years warranty

Note

1. 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.
2. 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.



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LOW VOLTAGE BATTERY EL-A05



PERFECT COMPATIBILITY

Suitable for 1 and 3 phase, hybrid and retrofit inverters



CYCLE LIFE

> 6000 cycles



1C@25°C RATE SUPPORT

Maximum charge/ discharge rate
1C@25°C



SAFE & RELIABLE

Reliable LFP battery cell with high cycle stability



FLEXIBLE INVESTMENT

5kWh Modular Design, Flexibility
Configuration-Max. 8 cluster in parallel



HIGH EFFICIENCY

Charge and discharge with high efficiency



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TECHNICAL PARAMETERS

Battery Module	EL-A05
Rated Energy(kWh) ¹	5.12
Usable Energy (kWh) ¹	4.6
Battery Module Energy	5.12kWh
Cell Type	LFP (LiFePO ₄)
Cell Configuration	16S1P
Rated Capacity(Ah)	100
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	40~57.6
Recommend Voltage Range (V)	44.8~56.8
Recommend Charge/ Discharge Current (A)	50
Recommend Charge/ Discharge Power (kW)	2.56
Max. Charging/ Discharging Current (A) ²	100
Max. Charging/ Discharging Power (kW) ²	5.12
Weight (kg)	45
Dimensions (W × H × D mm)	454*585*135
Communication	RS485,RS232,CAN
Operating Temperature (°C)	Charge: 0 ~ +50; Discharge: -20 ~ +50
Operating Temperature (Recommended) (°C)	15~30
Relative Humidity	5%~95%
Cycle Life	>6000 (25°C @ 77°F)
Recommend DOD	90%
Environment	Indoor
Cooling	Natural convection
Ingress Protection Rating	IP65
Max. Operating Altitude (m)	2000
Mounting Method	Floor stand
Certificates	CE, IEC62619, UN38.3
Product Warranty	10 years warranty

Note

1. 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.

2. Leapton Energy recommends 50A@2.5kW for maximum battery module lifetime Max dis-/charge current and power derating wil occur related to temperature and SOC.



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LOW VOLTAGE BATTERY EL-A10.24



PERFECT COMPATIBILITY

Suitable for 1 and 3 phase, hybrid and retrofit inverters



CYCLE LIFE

6000 cycles



1C@25°C RATE SUPPORT

Maximum charge/ discharge rate
1C@25°C



SAFE & RELIABLE

Reliable LFP battery cell with high cycle stability



INTELLIGENT BMS

Automatically manage charge and discharge state



HIGH EFFICIENCY

Charge and discharge with high efficiency

■ Headquarters: Leapton Energy Co., Ltd. ☎ 81-78-382-3182
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■ Factory: Leapton Solar (Changshu) Co., Ltd. ☎ 86-512-88800068
📍 No.9 Sunshine Avenue, Changshu, Suzhou city, Jiangsu province, 215500, P. R. China



TECHNICAL PARAMETERS

Battery Module	EL-A10.24
Rated Energy(kWh) ¹	10.24
Usable Energy (kWh) ¹	9.2
Cell Type	LFP (LiFePO4)
Cell Configuration	16
Rated Capacity(Ah)	200
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	40~57.6
Recommend Voltage Range (V)	44.8~56.8
Recommend Charge/ Discharge Current (A)	100
Recommend Charge/ Discharge Power (kW)	5.12
Max. Charging/ Discharging Current (A) ²	200
Max. Charging/ Discharging Power (kW) ²	10.24
Weight (kg)	90
Dimensions (W × H × D mm)	642*753*135
Communication	CAN
Operating Temperature (°C)	Charge:0~+50;Discharge:-20~+50
Operating Temperature (Recommended) (°C)	15~30
Relative Humidity	5%~95%
Cycle Life	6000
Recommend DOD	90%
Environment	Indoor
Cooling	Natural convection
Ingress Protection Rating	IP65
Max. Operating Altitude (m)	2000
Mounting Method	Wall-mounted
Certificates	CE, UN38.3
Product Warranty	10 years warranty

Note

1. 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.
2. Leapton Energy recommends 50A@2.5kW for maximum battery module lifetime Max dis-/charge current and power derating wil occur related to temperature and SOC.



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■ ■ ■ SWITCH YOUR LIFE
ENERGY STORAGE SOLUTIONS

HIGH VOLTAGE BATTERY EH-A05



PERFECT COMPATIBILITY

Suitable for 1 and 3 phase, hybrid and retrofit inverters



SAFE & RELIABLE

Reliable LFP battery cell with high cycle stability



IP65 RATING

IP65 for both indoor and outdoor



FLEXIBLE INVESTMENT

5kWh Modular Design, Flexibility Configuration-10.2kWh/15.3kWh/20.4kWh



EASY INSTALLATION

Stackable standard modules



HIGH EFFICIENCY

Charge and discharge with high efficiency



CONTACT

■ Headquarters: Leapton Energy Co., Ltd. ☎ 81-78-382-3182
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TECHNICAL PARAMETERS

Battery Module	EH-A05-102/102	EH-A05-102/204	EH-A05-102/307	EH-A05-102/409
Rated Energy(kWh) ¹	5.12	10.24	15.36	20.48
Usable Energy (kWh) ¹	4.6	9.2	13.8	18.4
Battery Module Energy	EHA05/5.12kWh			
Number of Modules	1	2	3	4
Cell Type	LFP (LiFePO ₄)			
Cell Configuration	32S1P	64S1P	96S1P	128S1P
Rated Capacity(Ah)	50			
Nominal Voltage (V)	102.4	204.8	307.2	409.6
Operating Voltage Range (V)	91.2~115.2	182.4~230.4	273.6~345.6	364.8~460.8
Recommend Charge/ Discharge Current (A)	25			
Recommend Charge/ Discharge Power (kW)	2.56	5.12	7.68	10.24
Max. Charging/ Discharging Current (A) ²	50			
Max. Charging/ Discharging Power (kW) ²	5.12	10.24	15.36	20.48
Weight (kg)	70	125	180	235
Dimensions (W × H × D mm)	800*560*195	800*840*195	800*1120*195	800*1400*195
Communication	CAN/RS485			
Operating Temperature (°C)	Charge: 0 ~ +50; Discharge: -20 ~ +50			
Operating Temperature (Recommended) (°C)	15~30			
Relative Humidity	5%~95%			
Cycle Life	>6000 (25°C @ 77°F)			
Recommend DOD	90%			
Environment	Outdoor / Indoor (*Please refer to the user manual for installation condition)			
Cooling	Natural convection			
Ingress Protection Rating	IP65			
Max. Operating Altitude (m)	2000			
Mounting Method	Floor stand			
Certificates	CE, IEC62619, UN38.3			
Performance Warranty	12 Years			

Note

1. 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.

2. Leapton Energy recommends 25A@2.5kW for maximum battery module lifetime. Max dis-/charge current and power derating will occur related to temperature and SOC.



Compatibility List of Lepton ESS and Inverters

		Ver.1.5 Last Update: 2024/03/20	
Inverter Brand	Inverter Type	Battery	Communication
Sungrow	SH5.0/6.0/8.0/10.0RT SH15/20/25T	EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	CAN
Solis	S6-EH3P(3-10)K-H-EU S6-EH3P(5-10)K2-H	EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	
Sofar	HYD 5K~20KTL-3PH	EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	
Deye(Sunsynk)	SUN-5~20K-SG01HP3-EU SUN-29.9~50K-SG01HP3-EU	EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	
Sunways	STH-3-8KTL-HS series STR-3-8KTL-HS series	EH-A05-102/102 EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	
	STH-4-12KTL-HT series STR-4-12KTL-HT series	EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	
Solplanet	ASW08H/10H/12H-T1 ASW05kH/06kH/08kH/10kH/12kH-T2 ASW08kH/10kH/12kH-T3	EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	
AUXSOL	ASG-5~12K TL series	EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	
Neovolt	BW-INV-SPH 3.6~5kW BW-INV-TPH 4~15kW	EH-A05-102/102 EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	
SAJ	H2-3K~6K-S2 H2-5K~10K-T2	EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	
Goodwe	EH/ET/BT/BH series	EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	
SOLINTEG	MHT-4~20K Series MHT-25~50K Series MHS-3~8K Series MRT-4~20K Series MRT-25~50K Series MRS-3~8K Series	EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	
HYPONTECH	HHS series HBS series HHT series HBT series	EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	
Solax	X3-HYBRID Series X1-SPT Series	EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	
FOX	H3-5.0~10-E / AC3-5.0~10-E H1-3.0~6.0-E / AC1-3.0~6.0-E	EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	
Sinexcel ISUNA	Isuna 10000~20000T	EH-A05-102/204 EH-A05-102/307 EH-A05-102/409	

Note: Compatible tests with different brands of inverter are continuously, updates of this list will be periodically



Compatibility List of Leapton LV_ESS and Inverters

		Ver.1.5 Last Update: 2024/03/20	
Inverter Brand	Inverter Type	Battery	Communication
Sungrow	SH5K	EL-A05	CAN
Deye(Sunsynk)	SUN-SG01LP1 series SUN-SG03LP1 series		
Solis	RHI series RAI series S5/S6 series		
Sofar	ME3000SP HYD series		
SAJ	H1 series		
INVT	BD series		
MUST	PV1800 VHM 3KW - 5.5KW		
MEGAREVO	RKL1 Series R5K/6K/7K/8KLNA		
AISWEI	ASW3000/3680/4000/5000H-S ASW3000/3680/4000/5000/6000H-S2		
Hoymiles	HYS-LV Series HAS-LV Series		
Note: Compatible tests with different brands of inverter are continuously, updates of this list will be periodically			

Compatibility List of Battery for Solinteg Hybrid Inverter

Ver.1.13 ,Nov. 4, 2024 updated

Solinteg MHS-3-8K series high voltage hybrid inverter

Battery Brand	Battery Pattern	Comm.	Battery ID in the Inverter	Inverter Version	RJ45 PIN used
Solinteg	EBS-B2K5	CAN	Solinteg_HV	V1.02. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
Pylontech	Force H1/H2(-V2)/H3 Powercube X1/X2/H1/H2(-V2)	CAN	Pylon_HV	V1.02. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
Dyness	Tower/Tower Pro PowerRack (HV1/HV2/HV4)	CAN	Dyness	V1.01. xx. xx. xx V1.15. xx. xx. xx	4 - CANH 5 - CANL
Wattsonic	2.3kWh (3-8)	CAN	Wattli_HV	V1.00. xx. xx. xx V1.18. xx. xx. xx	4 - CANH 5 - CANL
Soluna	Soluna 10K HV, Soluna 15K HV	CAN	Soluna_HV	V1.01. xx. xx. xx V1.02. xx. xx. xx	4 - CANH 5 - CANL
Weco	5K3XP (High Voltage)	CAN	Weco_HV	V1.01. xx. xx. xx V1.02. xx. xx. xx	1 - CANH 2 - CANL
Ipotisedge	Mint-JKE05, Mint-JKE10, Mint-JKE15	CAN	Mint-JKE	V1.01. xx. xx. xx V1.08. xx. xx. xx	Adapter to for port connection
FEB	HV5120-S1	CAN	Default HV_1	V1.01. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
STELTEC	Focus-H1(STE-BC50/STE-BSH-2560)	CAN	Default HV_1	V1.01. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
Lithium Valley	LV-BST-H2.56, LV-BST-H5.12	CAN	Default HV_1	V1.01. xx. xx. xx V1.15. xx. xx. xx	4 - CANH 5 - CANL
Sunwoda	SunESS-H	CAN	Sunwoda_HV	V1.01. xx. xx. xx V1.16. xx. xx. xx	4 - CANH 5 - CANL 7 - Wakeup+(5VDC) 8 - Wakeup-
Yoshopo	NOVA 3000, NOVA 5000	CAN	Default HV_1	V1.01. xx. xx. xx V1.08. xx. xx. xx	4 - CANH 5 - CANL
Pytes	HV4850, HV48100	CAN	Default HV_1	V1.01. xx. xx. xx V1.26. xx. xx. xx	4 - CANH 5 - CANL
BSLBATT	Matchbox HVS Series	CAN	Default HV_1	V1.01. xx. xx. xx V1.22. xx. xx. xx	4 - CANH 5 - CANL
DMEGC	H01	CAN	Default HV_1	V1.01. xx. xx. xx V1.23. xx. xx. xx	4 - CANH 5 - CANL
Raystech	RT5427 HV, RT5427 SHV, RT5000B RT5427-HV-RACK	CAN	Default HV_1	V1.01. xx. xx. xx V1.27. xx. xx. xx	4 - CANH 5 - CANL
BETTENERGY	ELEBOX-2560, ELEBOX-5K-HV	CAN	Default HV_1	V1.01. xx. xx. xx V1.26. xx. xx. xx	4 - CANH 5 - CANL
CFE	CFE-5100,CFE-5100S	CAN	Default HV_1	V1.01. xx. xx. xx V1.16. xx. xx. xx	4 - CANH 5 - CANL
Zetara	Inspiration DC3000	CAN	Default HV_1	V1.01. xx. xx. xx V1.23. xx. xx. xx	4 - CANH 5 - CANL
Uhome	LFP 5427 HV, LFP 5427 SHV, LFP 5000 HVLFP 5000S HV, LFP 5000B	CAN	Default HV_1	V1.01. xx. xx. xx V1.27. xx. xx. xx	4 - CANH 5 - CANL
Enershare	CORE 1.0	CAN	Default HV_1	V1.01. xx. xx. xx V1.38. xx. xx. xx	4 - CANH 5 - CANL
Leapton	EH-A05 EH-B05	CAN	Default HV_1	V1.02. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
Miba	VOLTHOME VOLTINDUSTRY	CAN	Default HV_1	V1.02. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
GSL-ENERGY	GSL-G series GSL-R20-60K	CAN	Default HV_1	V1.02. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL

Note:The list will be updated periodically. For any query, please contact service@solinteg.com

Solinteg MHT-4-20K series high voltage hybrid inverter

Battery Brand	Battery Pattern	Comm.	Battery ID in the Inverter	Inverter Version	RJ45 PIN used
Solinteg	EBS-B2K5 EBR-B5K3	CAN	Solinteg_HV	V1.02. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
Pylontech	Force H1/H2(-V2)/H3 Powercube X1/X2/H1/H2(-V2)	CAN	Pylon_HV	V1.02. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
Dyness	Tower/Tower Pro PowerRack (HV1/HV2/HV4/HV4F)	CAN	Dyness	V1.01. xx. xx. xx V1.15. xx. xx. xx	4 - CANH 5 - CANL
Wattsonic	2.3kWh (3-5) 3.84kWh (3-5)	CAN	Wattli_HV	V1.00. xx. xx. xx V1.18. xx. xx. xx	4 - CANH 5 - CANL
Soluna	Soluna 10K HV, Soluna 15K HV	CAN	Soluna_HV	V1.01. xx. xx. xx V1.02. xx. xx. xx	4 - CANH 5 - CANL
Weco	5K3XP (High Voltage)	CAN	Weco_HV	V1.01. xx. xx. xx V1.02. xx. xx. xx	1 - CANH 2 - CANL
Ipotisedge	Mint-JKE10, Mint-JKE15, Mint-JKE20	CAN	Mint-JKE	V1.01. xx. xx. xx V1.08. xx. xx. xx	Adapter to for port connection
FEB	HV5120-S1	CAN	Default HV_1	V1.01. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
STELTEC	Focus-H1(STE-BC50/STE-BSH-2560)	CAN	Default HV_1	V1.01. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
Lithium Valley	LV-BST-H2.56, LV-BST-H5.12	CAN	Default HV_1	V1.01. xx. xx. xx V1.15. xx. xx. xx	4 - CANH 5 - CANL
Sunwoda	SunESS-H	CAN	Sunwoda_HV	V1.01. xx. xx. xx V1.16. xx. xx. xx	4 - CANH 5 - CANL 7 - Wakeup+(5VDC) 8 - Wakeup-
	CIESS 50~70 Series	CAN	Default HV_1	V1.01. xx. xx. xx	4 - CANH 5 - CANL
	CIESS 25~70-R Series			V1.16. xx. xx. xx	
Yoshopo	NOVA 3000, NOVA 5000	CAN	Default HV_1	V1.01. xx. xx. xx V1.08. xx. xx. xx	4 - CANH 5 - CANL
Pytes	HV4850, HV48100	CAN	Default HV_1	V1.01. xx. xx. xx V1.26. xx. xx. xx	4 - CANH 5 - CANL
BSLBATT	Matchbox HVS Series	CAN	Default HV_1	V1.01. xx. xx. xx V1.22. xx. xx. xx	4 - CANH 5 - CANL
DMEGC	H01	CAN	Default HV_1	V1.01. xx. xx. xx V1.23. xx. xx. xx	4 - CANH 5 - CANL
Raystech	RT5427 HV, RT5427 SHV, RT5000B RT5427-HV-RACK	CAN	Default HV_1	V1.01. xx. xx. xx V1.27. xx. xx. xx	4 - CANH 5 - CANL
BETTENERGY	ELEBOX-2560, ELEBOX-5K-HV	CAN	Default HV_1	V1.01. xx. xx. xx V1.26. xx. xx. xx	4 - CANH 5 - CANL
CFE	CFE-5100,CFE-5100S	CAN	Default HV_1	V1.01. xx. xx. xx V1.16. xx. xx. xx	4 - CANH 5 - CANL
Zetara	Inspiration DC3000	CAN	Default HV_1	V1.01. xx. xx. xx V1.23. xx. xx. xx	4 - CANH 5 - CANL
Uhome	LFP 5427 HV, LFP 5427 SHV, LFP 5000 HVLFP 5000S HV, LFP 5000B	CAN	Default HV_1	V1.01. xx. xx. xx V1.27. xx. xx. xx	4 - CANH 5 - CANL
Enershare	CORE 1.0	CAN	Default HV_1	V1.01. xx. xx. xx V1.38. xx. xx. xx	4 - CANH 5 - CANL
Leapton	EH-A05 EH-B05	CAN	Default HV_1	V1.02. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
Miba	VOLTHOME VOLTINDUSTRY	CAN	Default HV_1	V1.02. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
GSL-ENERGY	GSL-G series GSL-R20-60K	CAN	Default HV_1	V1.02. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL

Note:The list will be updated periodically. For any query, please contact service@solinteg.com

Solinteg MHT-25-50K series high voltage hybrid inverter

Battery Brand	Battery Pattern	Comm.	Battery ID in the Inverter	Inverter Version	RJ45 PIN used
Solinteg	EBS-B2K5 EBR-B5K3	CAN	Solinteg_HV	V1.02. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
Pylontech	Force H1/H2(-V2)/H3 Powercube X1/X2/H1/H2(-V2) Powercube M1/M2/M3	CAN	Pylon_HV	V1.02. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
Dyness	Tower/Tower Pro PowerRack (HV1/HV2/HV4/HV4F) PowerStone	CAN	Dyness	V1.01. xx. xx. xx V1.15. xx. xx. xx	4 - CANH 5 - CANL
Wattsonic	3.84kWh Commercial (6-17/Rack)	CAN	Wattli_HV	V1.01. xx. xx. xx V1.08. xx. xx. xx	4 - CANH 5 - CANL
Soluna	Soluna 10K HV, Soluna 15K HV	CAN	Soluna_HV	V1.02. xx. xx. xx V1.10. xx. xx. xx	4 - CANH 5 - CANL
Weco	5K3XP (High Voltage) 14K3XP (High Voltage)	CAN	Weco_HV	V1.01. xx. xx. xx V1.08. xx. xx. xx	1 - CANH 2 - CANL
Lithium Valley	LV-BST-H2.56, LV-BST-H5.12, LV-IESS-RH14.336Aa	CAN	Default HV_1	V1.01. xx. xx. xx V1.15. xx. xx. xx	4 - CANH 5 - CANL
Sunwoda	CIESS 50~70 Series CIESS 25~70-R Series	CAN	Default HV_1	V1.01. xx. xx. xx V1.16. xx. xx. xx	4 - CANH 5 - CANL
Zetara	Zbox100 Zbox200	CAN	Default HV_1	V1.01. xx. xx. xx V1.22. xx. xx. xx	4 - CANH 5 - CANL
Shoto	HP-SG	CAN	Default HV_1	V1.01. xx. xx. xx V1.22. xx. xx. xx	4 - CANH 5 - CANL
BMZ	PowerBloxx	CAN	Default HV_1	V1.01. xx. xx. xx V1.22. xx. xx. xx	4 - CANH 5 - CANL
Cegasa	E/Scal HV	CAN	Default HV_1	V1.01. xx. xx. xx V1.26. xx. xx. xx	4 - CANH 5 - CANL

Note: The list will be updated periodically. For any query, please contact service@solinteg.com



Compatible Battery List

S6-EH3P(12-20)K-H

Type	Brand	Model			HMI Version
Lithium	Uhome Smart Energy(Wuxi) Co., Ltd.	Uhome LFP 2400/2500/5000/2600HV			V01
		Uhome-LFP 4.8-19.2kWh			
	BYD	Battery-Box Premium HVS			
		Battery-Box Premium HVM			
	Dyness	PowerRack HV1/HV2/HV3		Tower T7/T10/T14/T17	
		Tower Pro TP7/TP11/TP15/TP19		Powerrack HV4	
	GS ENERGY	GS2.56-HV Series	GS3.74-HV Series	GS3.84-HV Series	
	PYLONTECH	H48074 (CEI 0-21)			
		H48050 (CEI 0-21)			
		Force H1(CEI 0-21)			
		Force H2 (CEI 0-21)			
	SOLUNA	BATTERY MODULE 6K PACK HV			
		BATTERY MODULE 10K PACK HV	BATTERY MODULE 15K PACK HV		
	WECO	DUAL VOLTAGE 5K3 LV/HV			
		DUAL VOLTAGE 5K3-XP LV/HV			
	Sunwoda Energy	SunESS-5/10/15/20H			
	JA SOLAR	BlueStar-Pack-H-06/10/13/16/20H-1			
	UZENERGY	PLHV			
	Ampace	BlueStar-Module-L-H-03H			
	LEDVANCE	LES-HV-4K			
	Shoto	HP-S10-25			
	DMEGC	H01			
	YOSHOP0	YOSHOP0 HV5.0/HV3.0			
	Upower	UE-48Li2400HV			
	CFE	CFE-5100			
	Green Solutions Inc	Home EHX			
	Haier	B40012DP03-H	HHS-1X5/10/15/20K	H0K6050P03-H	
	RENON	Xtreme			
	FEB	HV5120-S1			
	PUREDRIIVE	HV			
	Wintersun	Power-CORE 1.0	Energy-CORE 1.0		
	NAHUI	NHS-1Y (10/15/20/25/30/35/40)			
	BSLBATT	MatchBox	PowerPeak HVS		
		PowerGrid HVS	ESS GRID B69/B105/B158		
	PYTES	HV48100	ST-20		
	Genixgreen	HV-BOX2-384V27AH	HV-BOX3-384V50AH	HV-TOWER-384/460/614V100AH	
	Leapton	EH-A05 (EH-A05-A20)			
	TOPBAND	RS-RH/RS-SH			
	YOLANESS	RS-RH/RS-SH			
	WINCAN	FLS Series	LPD Series		
	BMZ	HeliosVE	HYPERION_VE		
	Phylion	RE-H-10-X01			
	Vestwoods	V-Power Serie			
	YelonESS	HS5000-2/HS5000-3/HS5000-4/HS5000-5	HT5000-2/HT5000-3		
	STELTEC	Focus-H1			
	TGPRO	TG-R-HV	TG-SS-5HV		
	SKYLINE	SkyBatt H5			
	Felicitysolar	HVC96050			
	HOMEGRID	Stack'd DCHV Series			
	HaiLei	Hero-HV7.68/10.24/12.8/15.36	Atom HS-15.36/20.48/25.6/30.72/35.84/40.96		

- Details correct at time of going to press.

Batteries to be purchased separately.
- The battery brand in the table above, if there is no corresponding option when selecting the battery model, you can select the "lithium battery" option to work.
- Installing a non-compatible battery will VOID the inverter warranty.

尚唯斯电池匹配名单列表

编号	公司名称	电池型号	电池 ID
1	奥波	Uhome LFP	Aobo_ET
2	大秦	Tower Series	Dyness
3	派能	Force H1&H2	Pylon_HV
4	精控		GCL ESS
5	瑞诺		Renon
6	尚唯斯		STE_AS/CS
7	尚唯斯	STE-BS	STE_BS
8	德朗能		Soluna_HV
9	海博思创	5kWh	Hyper-HV
10	尚唯斯	STE-FS 10kWh	STE-FS
11	尚唯斯	STE-ES 5kWh	STE-ES
12	尚唯斯	STE-BS 2.56kWh	STE-BS-N
13	远东	HV5120-S	FEB-HV
14	丽瀑	LEAPTON-HV	LEAPTON-HV