DYNESS



PowerBrick Max20

User Manual

Battery System
51.2V/392Ah

Copyright Statement

All rights reserved © Dyness Digital Energy Co., Ltd. 2026. All rights reserved.

No part of this manual may be reproduced, distributed, or transmitted in any form or by any means without the prior written permission of Dyness Digital Energy Co., Ltd.

Trademark

DYNESS and other Dyness trademarks used in this manual are owned by Dyness Digital Energy Technology Co., Ltd. All other trademarks or registered trademarks mentioned in this manual are owned by their respective owners.

Intended Audience

This manual is intended for professional technicians who need to install, operate, and maintain the device, as well as users who need to view and operate the device parameters.

Professional technicians must meet the following requirements:

- Have received specialized training;
- Have thoroughly read this manual and are fully familiar with the relevant safety precautions.
- Be familiar with local standards and relevant safety regulations for electrical systems.

Manual Usage

The contents of this manual are subject to change without notice due to product updates or other reasons. Unless otherwise specified, this document is for guidance only, and all statements, information, and suggestions in this document do not constitute any express or implied warranty.

Please read the manual carefully before using the product and keep it in a place where it can be easily accessed.

Version Record

Version	Date	Modification Content
V1.0	2026.08.11	First Edition Released

DYNESS

Contents

1 Preface 1
1.1 Overview 1
1.2 Symbol Definitions 1
2 Safety Precautions 1
2.1 General Safety 2
2.2 Battery Safety 4
2.3 Transportation Safety 5
2.4 Explanation of Safety Symbols and Certification Marks 5
2.5 European Declaration of Conformity 7
3 Product Introduction 8
3.1 Product Overview 8
3.2 Product Specifications 8
3.3 Appearance 10
3.4 Port Introduction 11
4 Transportation and Storage 12
4.1 Transportation Safety 12
4.2 Storage Requirements 13
5 Mechanical Installation 14
5.1 Pre-installation Inspection 14
5.2 Scope of Delivery 14
5.3 Installation Requirements 15
Site Selection Requirements 15
Mounting Structure Requirements 16
Handling Requirements 16
Installation Space Requirements 16
Installation tool requirements 18
5.4 Installation Operation 19
5.4.1 Caster Installation 19
5.4.2 Floor Installation 20
5.4.3 Wall-mounted Installation (Optional) 21
6 Electrical Connection 24
6.1 Prepare Cables 24
6.2 Protective Grounding Connection 25
6.3 Power Cable Connection 25
6.4 Communication Cable Connection 26
6.5 Parallel System Wiring (Optional) 30
6.6 Parallel System Configuration (Optional) 31
6.6.1 DIP Switch Description 31
6.6.2 DIP Switch Address Setting 32
6.7 Install Dust Cover 36
7 System Commissioning 37
7.1 Pre-power-on Inspection 37

7.2 Power-on 37
7.2.1 LED Indicator Description 38
7.3 Dyness APP Operation Guide 39
7.3.1 APP Introduction 39
7.3.2 Download and Log In 39
7.3.3 Add Device and Configure Network 42
7.3.4 Heating Settings (Optional) 44
7.3.5 View More Information 46
8 System Maintenance 48
8.1 Power-off 48
8.2 LED Alarm Descriptions and Troubleshooting 48
8.3 Troubleshooting 50
8.4 Maintenance 51
8.5 Equipment Removal 52
8.6 Disposal and Recycling 53

1 Preface

1.1 Overview

This document mainly introduces the product information, installation wiring, configuration and commissioning, system maintenance, and technical data of PowerBrick Max20. Please carefully read this manual before installing or using the product, understand the product safety information, and become familiar with the product's functions and features. The document may be updated from time to time; please obtain the latest version and more product information from the official website.

1.2 Symbol Definitions

	DANGER
Indicates a high potential hazard, which, if not avoided, will result in death or serious injury.	
	WARNING
Indicates a moderate potential hazard, which, if not avoided, may result in death or serious injury.	
	CAUTION
Indicates a low potential hazard, which, if not avoided, may result in moderate or minor injury.	
	**NOTICE**
Used to convey device or environmental safety warning information. Failure to avoid may result in device damage, data loss, reduced device performance, or other unforeseen consequences. "NOTICE" does not involve personal injury.	
Tips	
• Emphasizes and supplements the content, and may also provide tips or tricks for optimal product use, which can help you solve certain problems or save time. • This is not safety warning information and does not involve information on personal, equipment, or environmental injury.	

2 Safety Precautions

Statement

This device has been strictly designed and tested in accordance with safety regulations. Before transporting, storing, installing, operating, using, or maintaining the device, please read this manual first, operate strictly according to the manual, and follow all safety precautions indicated on the device and in the manual.

The "DANGER," "WARNING," "CAUTION," "NOTICE," and "TIPS" items in this manual do not represent all safety matters that should be observed. You must also comply with relevant

international, national, or regional standards, as well as industry practices.

This equipment should be used in an environment that meets the design specifications. Failure to comply with the above requirements may result in equipment malfunction, abnormal operation, or component damage, it is not covered by the equipment quality guarantee; the company shall not be liable for any resulting personal injury or property damage.

All operations such as transportation, storage, installation, operation, use, and maintenance must comply with applicable laws, regulations, standards, and specification requirements.

Please always comply with the safety precautions contained in this document when operating the device.

For more product warranty information, please visit the official website:

https://dyness.com/warranty

The company assumes no liability for any of the following circumstances or their consequences:

- Equipment damage caused by force majeure such as earthquakes, floods, volcanic eruptions, mudslides, lightning strikes, fires, wars, armed conflicts, typhoons, hurricanes, tornadoes, extreme weather, etc.;
- Operation outside the usage conditions specified in this manual;
- Installation and usage environment does not comply with relevant international, national, or regional standards;
- Installation and use of equipment by unqualified personnel;
- Failure to operate according to the operating instructions and safety warnings in the product and documentation;
- Unauthorized disassembly, alteration of the product, or modification of software code;
- Damage caused during transportation by the user or an unauthorized third party;
- Damage caused by storage conditions that do not meet the requirements of the product documentation;
- Materials and tools provided by you that do not meet local laws, regulations, and relevant standard requirements;
- Damage caused by your or a third party's negligence, intentional misconduct, gross negligence, improper operation, or other reasons not attributable to the company.

2.1 General Safety

	DANGER
• During operation, special insulated tools must be used to avoid electric shock or short circuit faults. The insulation withstand voltage rating must comply with local laws, regulations, standards, and specification requirements. • Disconnect all upstream switches of the equipment and confirm power is fully cut off before making any electrical connections. Live working is strictly prohibited, as it may cause electric shock and other hazards. • Do not place or operate the equipment in an environment with flammable or explosive gas and fumes. • Do not store flammable or explosive materials near the equipment. • Keep the equipment away from heat sources and open flames such as fire, candles, heaters and other heat-generating devices. Overheating may damage the equipment or cause fire.	

WARNING

- Installation, operation, and maintenance must be carried out in accordance with the step-by-step instructions in the manual. Do not modify, add, or alter the equipment without authorization, and do not change the installation sequence without permission.
- During operation, special protective equipment must be used, such as wearing protective clothing, insulated shoes, safety goggles, safety helmets, insulated gloves, etc. For equipment that requires grounding, the protective ground wire must be installed first during installation; when removing equipment, the protective ground wire must be removed last.

CAUTION

- The enclosure may become hot during operation and could cause burns. Do not touch it while the equipment is operating.
- The selection, installation, and routing of cables must comply with local laws, regulations, and standards.
- During the laying of power cables, coiling or twisting is strictly prohibited. If the power cable is found to be too short, it must be replaced; splicing or soldering joints in the power cable is strictly forbidden.
- All cables must be securely connected, well insulated, and of appropriate specifications.
- Cable trays and cable holes should have no sharp edges, and protective measures must be taken at cable conduits or cable hole locations to prevent cables from being damaged by sharp edges or burrs.
- Cables of the same type should be bundled together, with a neat and straight appearance and no damage to the outer sheath; different types of cables should be laid separately, and intertwining or crossing is strictly prohibited.
- During equipment installation, please avoid placing weight on the terminals, as this may cause terminal damage.

NOTICE

- Wear anti-static gloves, wrist straps, anti-static clothing, etc. to protect the equipment from static electricity damage when handling electronic components.
- If the cable is subjected to excessive tension, it may result in poor connections. Please reserve a certain length of cable before connecting it to the device terminal.
- Any paint scratches that occur during equipment transportation or installation must be repaired promptly. It is strictly forbidden to leave scratched areas exposed for a long time.
- Without evaluation by our company, arc welding, cutting, drilling, or similar operations on the equipment are prohibited.
- Ensure that all cables of the equipment are connected correctly, securely fastened, and without looseness. Improper wiring may result in poor contact or equipment damage.
- During equipment installation, please avoid placing weight on the terminals, as this may cause terminal damage.

2.2 Battery Safety

DANGER

- It is strictly forbidden to short-circuit the positive and negative terminals of the battery, otherwise it will cause a battery short circuit. A battery short circuit will instantly generate a large current and release a large amount of energy, causing battery leakage, smoke, release of flammable gases, thermal runaway, fire, or explosion. To avoid battery short circuit, live maintenance of the battery is not allowed.
- Do not expose the battery to high-temperature environments or near heat-generating equipment, such as direct sunlight, fire sources, transformers, or heaters. Overheating of the battery may cause leakage, smoke, release of flammable gases, thermal runaway, fire, or explosion.
- It is strictly forbidden for the battery to be subjected to mechanical vibration, dropping, collision, puncture by hard objects, or pressure impact, otherwise it may cause battery damage or fire.
- It is strictly forbidden to disassemble, modify, or damage the battery (such as inserting foreign objects, external force extrusion, immersion in water or other liquids) to avoid causing battery leakage, smoke, release of flammable gases, thermal runaway, fire, or explosion.
- It is strictly forbidden for the battery terminals to contact other metal objects, which may cause heating or electrolyte leakage.
- Using or replacing the battery with an incorrect model may result in fire or explosion. Please use the battery model specified and recommended by the manufacturer.
- The battery electrolyte is toxic and volatile. In case of electrolyte leakage or abnormal odor, avoid contact with the leaked liquid or gas. Non-professionals should not approach; please contact professionals immediately. Professionals should wear safety goggles, rubber gloves, gas masks, protective clothing, etc., promptly power off the equipment, remove the leaking battery, and contact technical engineers for handling.
- The battery is a sealed system and will not release any gases under normal operation. In extreme abuse situations, such as fire, puncture, compression, lightning strike, overcharging, or other severe conditions that may cause battery thermal runaway, the battery may be damaged or undergo abnormal internal chemical reactions, resulting in electrolyte leakage or the generation of gases such as CO and H2. On site, ensure that combustible gas exhaust measures are functioning properly to avoid causing combustion or equipment corrosion.
- The gases produced by battery combustion can irritate the eyes, skin, and throat. Please take protective measures.

WARNING

- Before unpacking the battery, during storage and transportation, ensure that the outer packaging box is intact and undamaged. Place the box correctly according to the markings on the packaging. It is strictly forbidden to place the box upside down, on its side, upright, or at an angle. When stacking, comply with the stacking requirements indicated on the packaging to avoid any impact or dropping that may cause battery damage or scrapping.
- After unpacking the battery, place it in the required orientation. It is strictly forbidden to place it upside down, on its side, upright, at an angle, or to stack it, to avoid any impact

or dropping that may cause battery damage or scrapping.

- Tighten the fastening screws of the copper bars or cables according to the torque specified in this document. Regularly check whether the screws are loose, rusted, corroded, or contaminated with foreign objects, and clean them as necessary. Otherwise, loose screws may cause excessive voltage drop at the connection, and in the case of high current, may generate excessive heat and damage the battery.
- After the battery is discharged, it should be recharged promptly; otherwise, over-discharge may cause battery damage.

2.3 Transportation Safety

- The product is heavy; effective anti-tipping measures must be taken during handling to prevent the equipment from falling or tipping over.
- During handling, it is strictly forbidden to throw, roll, invert, or subject the equipment to severe vibration to avoid damage to internal structures or electrical components.
- The casters at the bottom of the equipment are only suitable for short-distance movement on flat, hard surfaces. They must not be used to cross steps, thresholds, or obstacles.
- After installation, do not block the equipment's ventilation and heat dissipation areas. Ensure that the heat dissipation channels are unobstructed to prevent Fault or safety hazards caused by overheating.

2.4 Explanation of Safety Symbols and Certification Marks

NOTICE

- After equipment installation, the labels and warning signs on the enclosure must be clearly visible. Covering, altering, or damaging them is strictly prohibited.
- The following explanations of the warning labels on the enclosure are for reference only. Please refer to the actual labels used on the device.

No.	Symbol	Meaning
1		There are potential hazards when the device is operating. Please take appropriate protective measures when operating the device.
2		High voltage hazard. There is high voltage when the device is operating. Please ensure the device is powered off before performing any operations.
3		Please read the product manual carefully before operating the device.

4		The device must not be disposed of as household waste. Please dispose of the device in accordance with local laws and regulations, or return it to the manufacturer.
5		CE certification mark.
6		The components of this product are recyclable.
7		Do not approach open flames or incinerate.
8		In the event of a fire, do not use water to extinguish it.
9		Do not misappropriate or occupy fire-fighting equipment.
10		Do not use sharp objects to cut or puncture.

Label identification

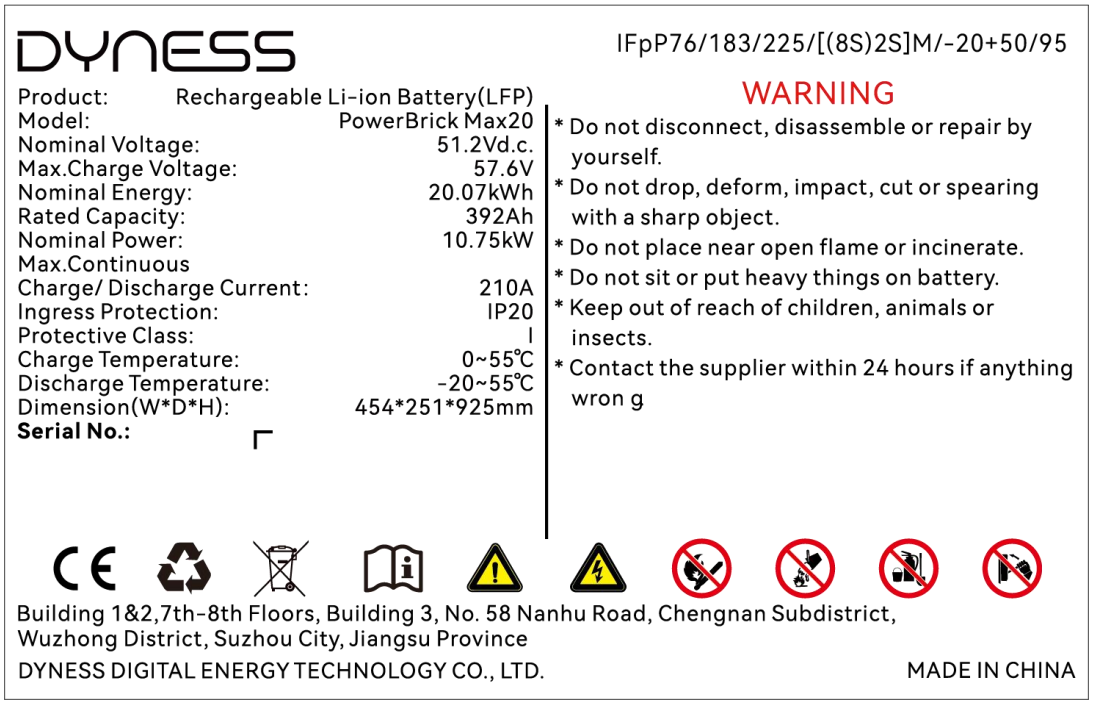
The icon is for reference only; please refer to the actual product.

Label	Meaning
	**Optional heating function** (Only systems equipped with the heating function will have this label)
	**Built-in aerosol fire extinguisher** Built-in aerosol fire extinguishing device, responds within 5 seconds
	**Wi-Fi Logger label** SN (Serial Number): The unique identification code of the Wi-Fi module, used for manual binding in the APP and after-sales service location.

	Model: The product model compatible with this module, indicating compatibility with the main unit. QR code: When using for the first time, open the Dyness APP to scan this code. The system will automatically recognize the SN and enter the configuration process.

Nameplate

The nameplate is for reference only. Please refer to the actual product.



2.5 European Declaration of Conformity

EU Directive Compliance Statement

Within the scope of the following EU directives:

- Radio Equipment Directive 2014/53/EU (RED)
- Restriction of Hazardous Substances Directive 2011/65/EU and Amendment Directive 2015/863/EU (RoHS)

Dyness Digital Energy Technology Co., Ltd. hereby confirms that the product described in this document meets the essential requirements and other relevant provisions of the above directives. The complete declaration of conformity can be found at the following link: https://dyness.com/declarations-of-conformity.

Ratings	25.6-1000VDC, 30-300A
Frequency Range	2400MHz-2483.5MHz
Network Interface	802.11b/g/n, BLE 5.

3 Product Introduction

3.1 Product Overview

PowerBrick Max20 is a low-voltage lithium-ion battery energy storage system, using lithium iron phosphate (LFP) cells and built-in intelligent battery management system (BMS). Supports up to 50 units in parallel, with a capacity range of 20.07kWh~1MWh. Suitable for home energy storage, small commercial and industrial scenarios.

3.2 Product Specifications

Model	PowerBrick Max20
Battery Type	$LiFePO_4$ (LFP)
Nominal Battery Energy	20.07kWh
Usable Battery Energy	19.07kWh
Nominal Capacity	392Ah
Nominal Voltage	51.2V
Operating Voltage	44.8V~57.6V
Max Charge & Discharge Current	210A (0.54C)
Peak Discharge Current (25℃)	313A (0.8C), 10min
Max Charge & Discharge Power	10.75kW
Peak Discharge Power (25℃)	16.03kW, 10min
Depth of Discharge (DOD)	95%
Charge Temp. Range	0℃~55℃/-20℃~55℃ (optional)
Discharge Temp. Range	-20℃~55℃
Net Weight	137kg
Dimension[W/D/H]	454*251*925mm
Protection Level	IP20
Communication	CAN/RS485
Cycle Life[1]	≥8000 Cycles
User Interface	Wi-Fi+APP
Safety Protection	Built-in aerosol fire extinguisher
Installation	Floor-mounted, Wall-mounted (optional)
Expansion	Up to 50 units in parallel

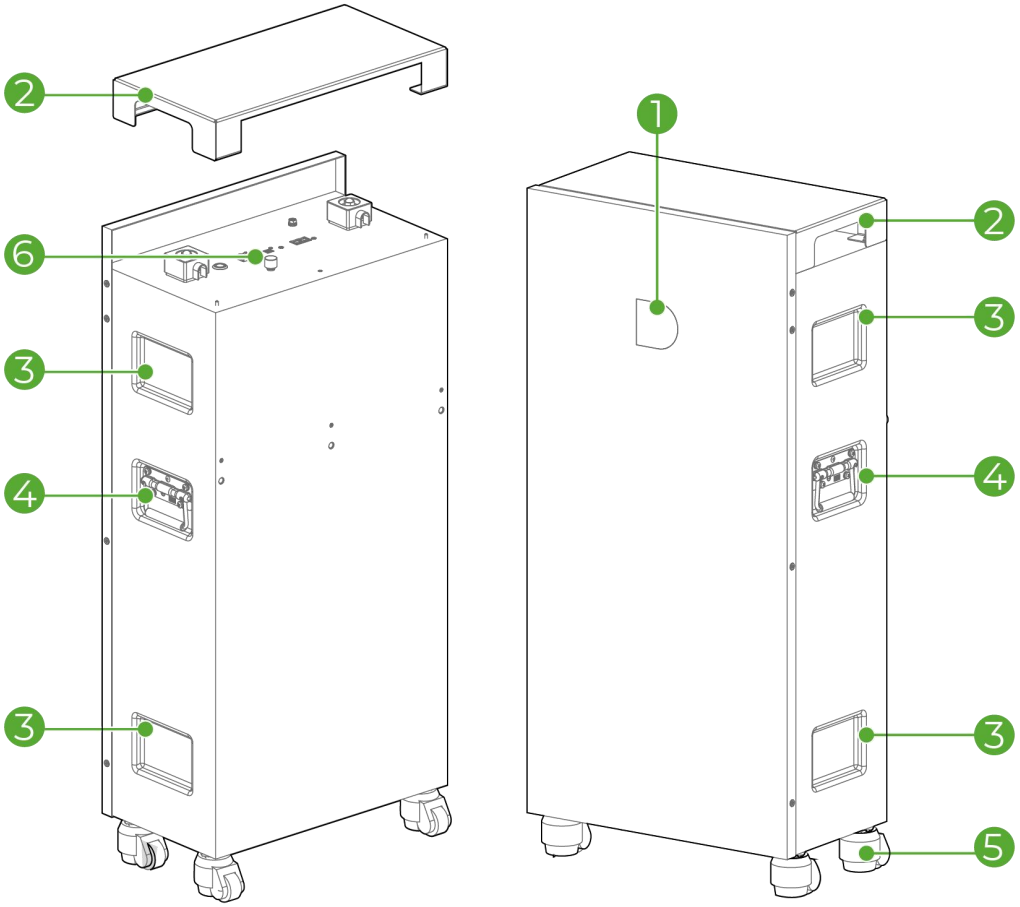
Warranty Period[2]	10 Years
Certification & Safety Standard	IEC62619/IEC63056/EMC/RED/UN38.3/VDE 2510-50
Compatible Inverters	Dyness/SMA/Victron/Ingeteam/Solis/GoodWe/Growatt/Solplanet/Luxpower/Deye/Sungrow etc.

[1] Test conditions: 0.5C Charging & Discharging, 25°C, 95% DOD, 70% EOL

[2] Refer to Dyness Warranty Letter

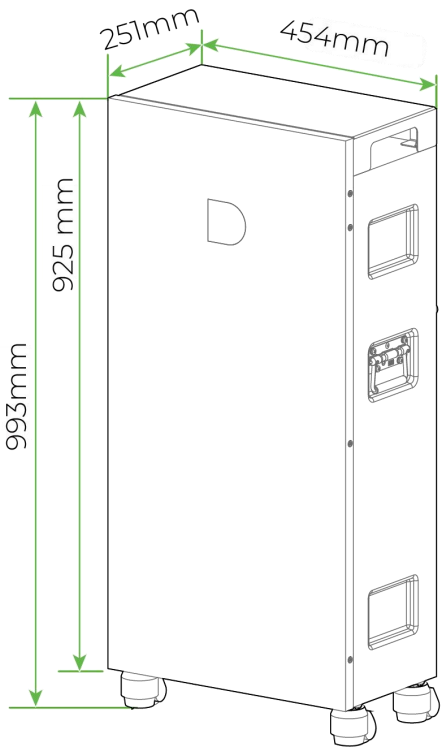
3.3 Appearance

Overview

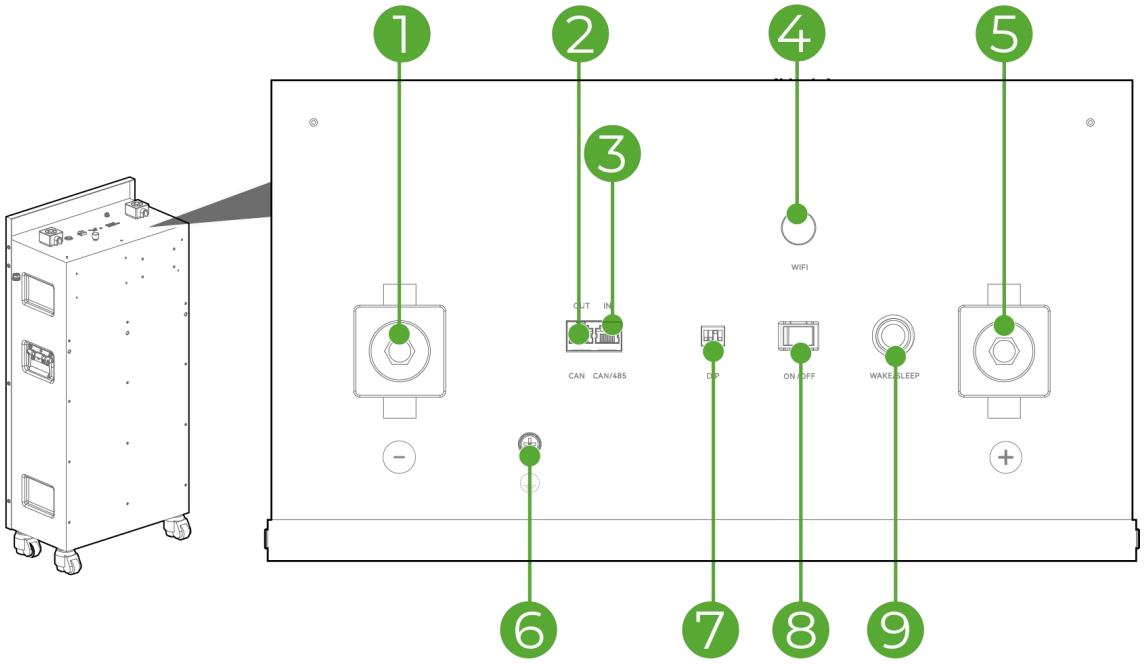


No.	Name	Function
1	LED light	Indicates the current operating status of the battery, remaining charge (SOC), and alarm information
2	Dust-proof cover	Dust-proof cover plate
3	Groove	Groove for securing the battery with handling tools
4	Carrying handle	Used for lifting and carrying the battery
5	Casters	Used to transport/move the battery."
6	Control module	System on/off, communication and electrical connection

Dimensions



3.4 Port Introduction



NO.	Symbol	Name	Description
1		Negative DC terminal	Negative DC output terminal of the battery. Connect it to the BAT− input terminal of the inverter.
2	CAN/OUT	Communication interface	Connect to the communication interface of the battery.
3	CAN /RS485 IN	Communication interface	Connect to the communication port of the inverter.
4	WIFI	Wi-Fi	Connect to the APP to achieve remote monitoring and control
5		Positive DC terminal	Positive DC output terminal of the battery. Connect it to the BAT+ input terminal of the inverter.
6		Grounding Point	Connect to the protective earth wire (PE) to ensure system safety and prevent electric shock.
7	DIP	DIP switch	Dip switch, used to set communication protocol, baud rate, and master-slave address allocation when multiple units are connected in parallel.
8	ON/OFF	Rocker switch	Main power on/off control, locks in place after toggling.
9	WAKE/SLEEP	Power switch	Short press to wake up or put the battery system to sleep, long press for 3 seconds to take effect.

4 Transportation and Storage

4.1 Transportation Safety

Basic requirements

During transportation, always keep the product in the horizontal position and handle and store it according to the transport markings on the packaging.

Before transporting the equipment, ensure all packaging materials are intact and reliable, and take necessary securing measures to prevent the product from tipping, sliding, or colliding during transportation.

Handling requirements

The battery weighs 137KG. Choose an appropriate handling method according to the site conditions. It is recommended to use professional handling tools such as a trolley for transportation and take necessary protective measures.

The product is equipped with mobile casters as standard, suitable only for short-distance movement on flat and solid surfaces at the installation site. Do not use the casters to cross steps, grooves, ramps, or other obstacles.

	NOTICE

- Do not throw, drop, roll, or violently collide with the product.
- Do not place heavy objects or stack other goods on top of the product.
- When using a trolley or other equipment, fix the handling tool at the groove of the battery. Lifting the product by cables, heat sinks, or interface parts is strictly prohibited.
- During handling, avoid exposing the product to rain, water immersion, or contamination by corrosive chemicals.
- If packaging is found damaged or the product has suffered obvious impact, stop installation immediately and check the equipment for deformation, cracks, or other abnormalities.

4.2 Storage Requirements

Equipment storage

If the equipment is not put into use immediately, please store it according to the following requirements:

- Ensure the outer packaging box is not removed.
- The storage environment must comply with local laws and standards.
- Store in a clean, dry, and well-ventilated place, and prevent erosion by dust and moisture. Exposure to rain or ground water is prohibited.
- The ambient air must not contain corrosive or flammable gases.
- Ensure the stacking height and direction of the equipment are arranged according to the label instructions on the packaging box.
- Ensure there is no risk of tipping after stacking the equipment.
- If the equipment storage period exceeds 6 months or the non-operating time after installation exceeds 6 months, it is recommended to have it inspected and tested by professionals before use.
- Ensure the electrical performance of the battery's internal electronic components is good. It is recommended to power on once every 6 months during storage. If not powered on for more than 6 months, it is recommended to have it inspected and tested by professionals before use.
- Storage environment requirements:
  - Ambient temperature: -10°C~35°C, recommended storage temperature: 20°C~30°C.
  - Relative humidity: 5%RH~85%RH, no condensation.
  - Altitude: 4000m
- For overdue storage, inspection and testing by professionals are required before use.
- During storage, relevant documentation that meets the product storage requirements must be kept, such as temperature and humidity log data, storage environment photos, and inspection reports.
- The storage period should be calculated from the most recent charging time indicated on the battery's outer packaging, and the most recent charging time should be updated after charging.

	NOTICE
It is recommended to use the battery in a timely manner. For batteries stored for a long time, please perform regular supplementary charging, otherwise it may cause battery damage.	

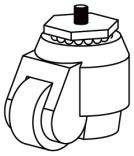
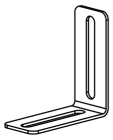
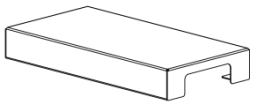
5 Mechanical Installation

5.1 Pre-installation Inspection

Please carefully check the following items before signing for the product:

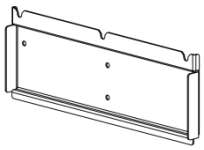
1. Check whether the outer packaging is damaged, such as deformation, holes, cracks, or other signs that may cause damage to the equipment inside the packaging box. If there is any damage, please do not open the packaging and contact your distributor.
2. Check whether the battery model is correct. If not, do not open the packaging and contact your dealer.
3. Check whether the type and quantity of delivered items are correct and whether there is any appearance damage. If there is any damage, please contact your dealer.

5.2 Scope of Delivery

Items	Name & Quantity	Items	Name & Quantity
	Battery pack x 1		Wheels x 4
	Expansion screw x 1		Wall lock bracket x 1
	Product documentation x 1		Dust cover x 1
	Negative Power cable x 1 1AWG/42.41mm² 1500mm		Positive Power cable x 1 1AWG/42.41mm² 1500mm

	Communication cable x 1 (Battery-Inverter) 2000mm		Communication cable x 1 (Battery-Battery) 2000mm
	Ground cable x 1 10AWG/5.26mm², 500mm		CAN Resistor

Optional Accessories (For wall mounting)

Items	Name & Quantity	Items	Name & Quantity
	Expansion bolts x 4		Wall mounting bracket x 1
	Step screws x 3 M8		

5.3 Installation Requirements

	DANGER
Before installing or adding batteries, all external electrical connections to the batteries must be disconnected.	

Site Selection Requirements

- The installation location must be out of reach of children and avoid areas where people frequently touch or may accidentally touch the device.
- The device must not be installed in flammable, explosive, or corrosive environments. The temperature and humidity of the installation environment must be within the allowable range for the device.
- The enclosure temperature is high during device operation. Do not touch the enclosure before it cools down to prevent burns.
- It is recommended to install in a sheltered location to avoid direct sunlight, rain, and snow accumulation.
- The installation height of the equipment should facilitate operation and maintenance, ensuring that indicator lights and all labels are easily visible and that wiring terminals are easy to access.

- The installation altitude of the device should be lower than the maximum operating altitude.
- Ensure that the equipment is placed securely and not tilted; tipping may cause equipment damage and personal injury.
- No items are allowed to be placed below the device during wall mounting.

Mounting Structure Requirements

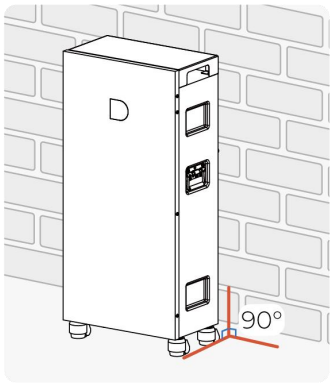
- The installation carrier should be a non-combustible structure such as brick masonry, concrete, or a structure of equivalent strength, or of equivalent strength.
- The ground should be solid and level, with sufficient load-bearing capacity. Wall installation is recommended. The foundation must be flat and firm, free of mud, water accumulation, potholes, or steep slopes, to ensure no subsidence or tilting after device installation.
- Wall mounting: Be sure to use the L-shaped bracket provided with the package during installation to ensure that the battery is properly aligned and level.

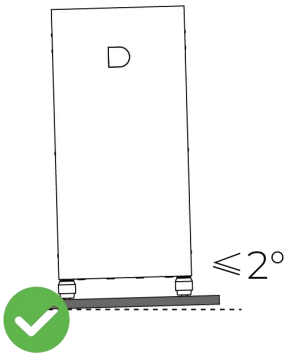
Handling Requirements

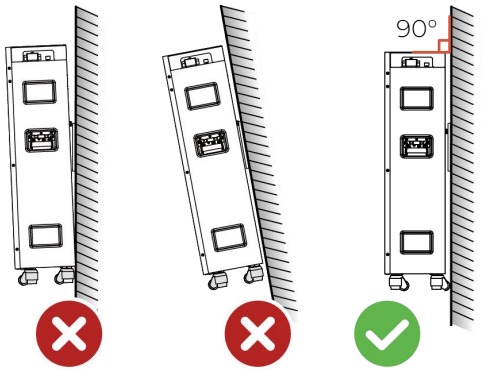
The Battery weighs 137KG. It is recommended to use a trolley to assist with moving and installation or have professionals cooperate to complete the process. Please use the handles or grooves on both sides of the device for handling. Do not grasp the terminals, cables, heat sinks, or waterproof covers.

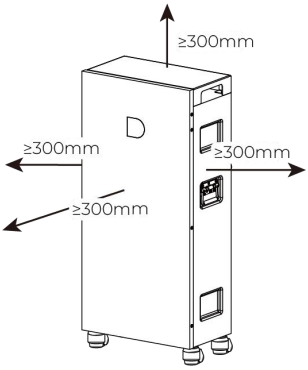
Installation Space Requirements

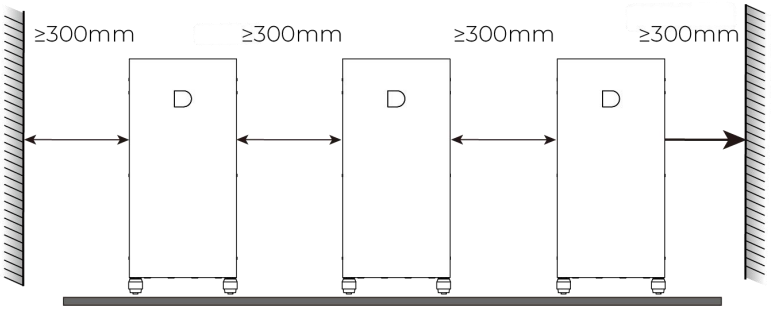
When installing the device, a certain amount of space should be reserved around it to ensure sufficient installation and heat dissipation space. When installing multiple Batteries, a certain distance should be reserved between the Batteries.

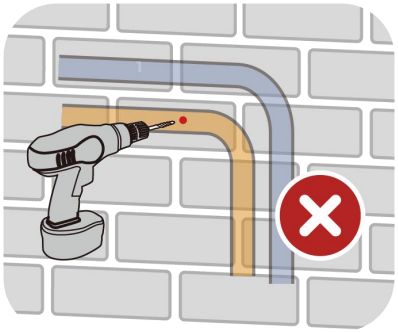


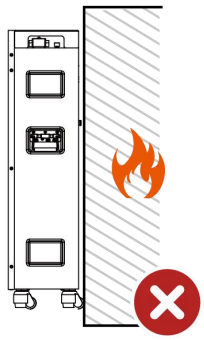


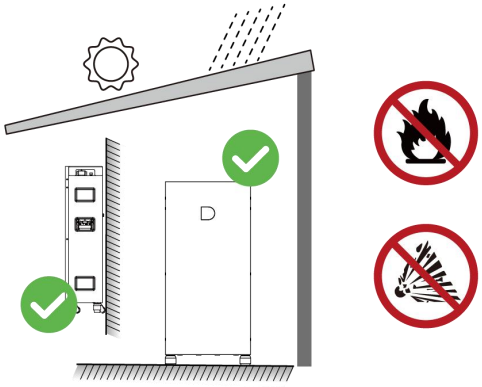






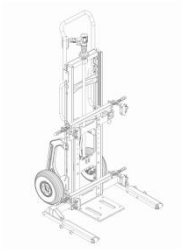
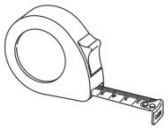



Flammable wall



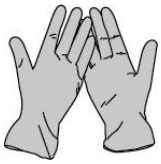
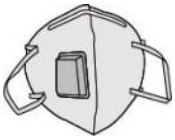
Installation tool requirements

During installation, please use the following installation tools as needed. Other auxiliary tools may be used on site if necessary.

Tool	Description	Tool	Description
	Marker pen		Impact drill
	Torque wrench (M6, M8)		Spirit level
	Socket wrench (M6)		Vacuum cleaner
	Trolley		Multimeter
	Wrench		Tape Measure

Protective Equipment

Tool	Description	Tool	Description
	Safety goggles		Safety shoes

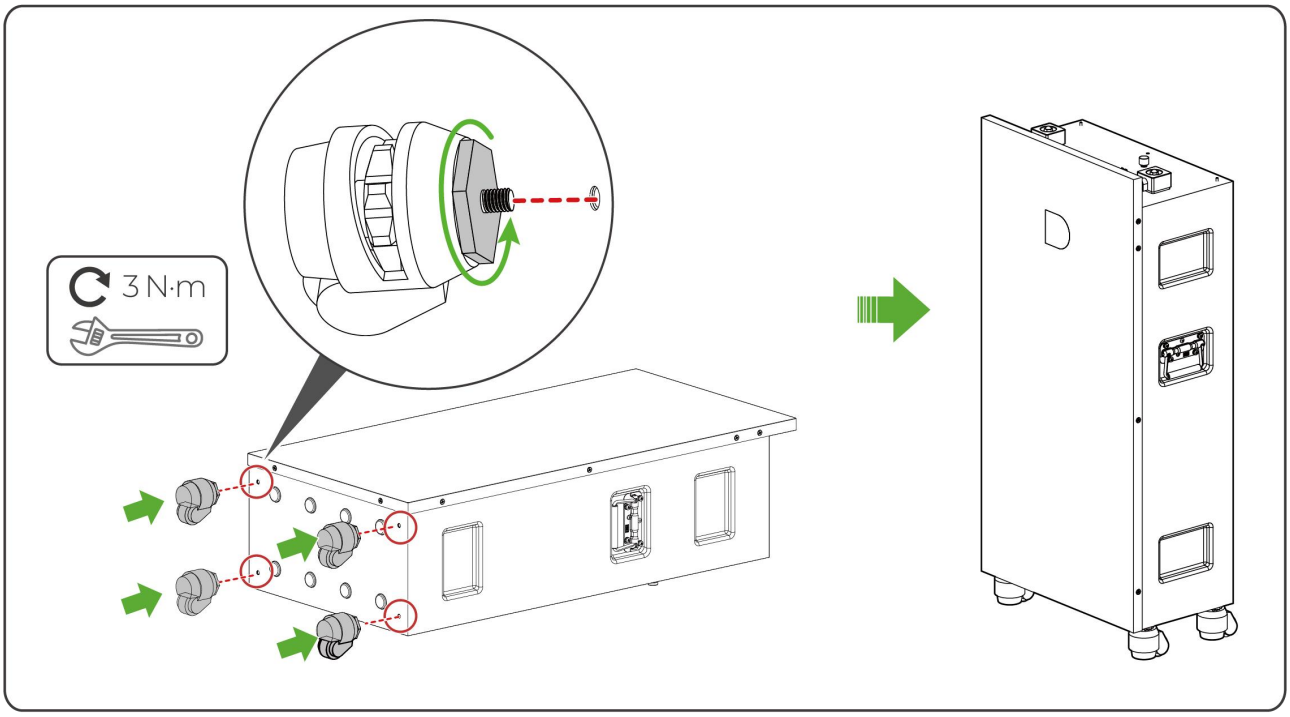
	Safety Gloves		Dust mask

5.4 Installation Operation

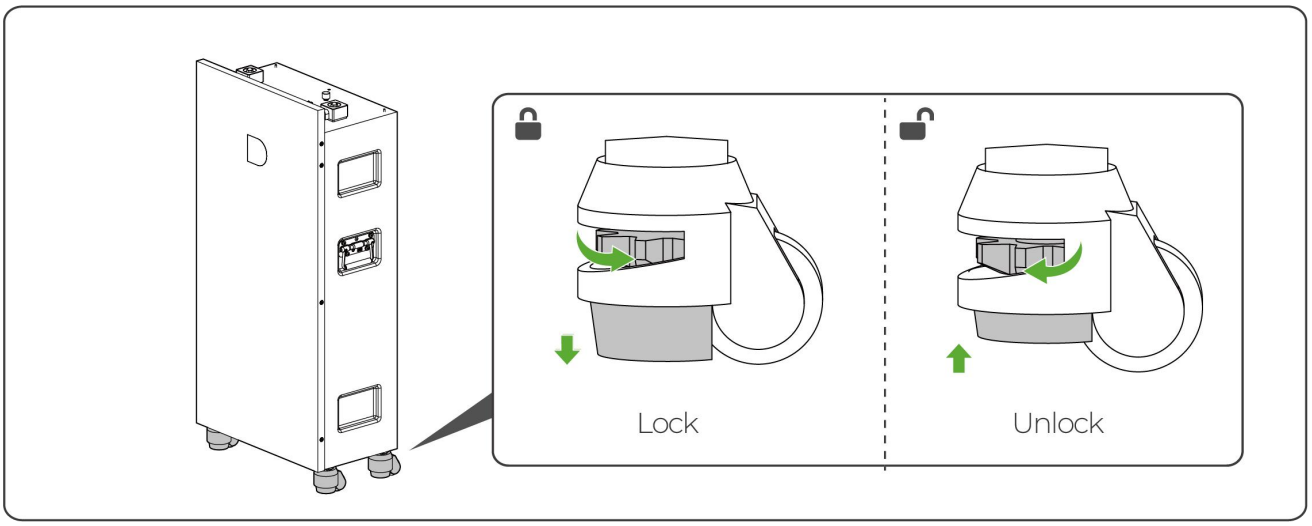
It is recommended to use a trolley to assist with installation. Scan the code to view the Trolley usage instructions:

5.4.1 Caster Installation

1. Gently lay the Battery down to expose the bottom mounting holes.
2. Align the caster screw with the bottom threaded hole.
3. Use a wrench to tighten and secure the casters.



Switching between caster locking and unlocking:



	WARNING

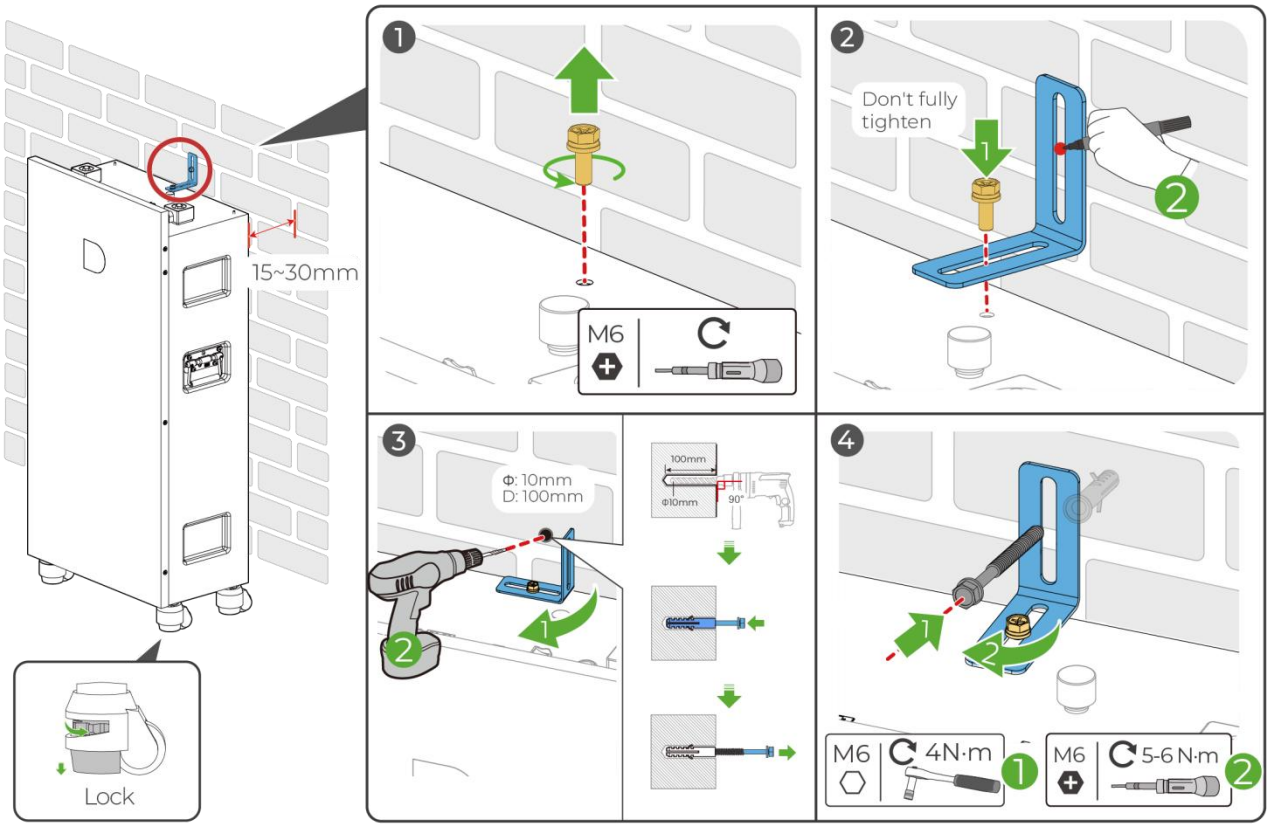
- The casters are only for short-distance movement on flat surfaces and must not be used to cross steps or obstacles.
- After installing the casters, gently push and move the Battery slowly to avoid collisions.
- After reaching the installation position, please lock the casters.

5.4.2 Floor Installation

Use a trolley to place the Battery horizontally against the wall, with a recommended distance of 15-30mm from the wall.

Steps:

1. Unscrew the M6 screws on the battery.
2. Pre-install the L-shaped bracket onto the Battery, adjust the appropriate installation distance as needed, and use a marker to mark the drilling position on the wall;
3. Use an impact drill to drill holes at the marked positions (diameter: 10mm, depth: 100mm);
4. Use expansion bolts to fix the bracket to the wall and tighten the screws between the bracket and the Battery.



5.4.3 Wall-mounted Installation (Optional)

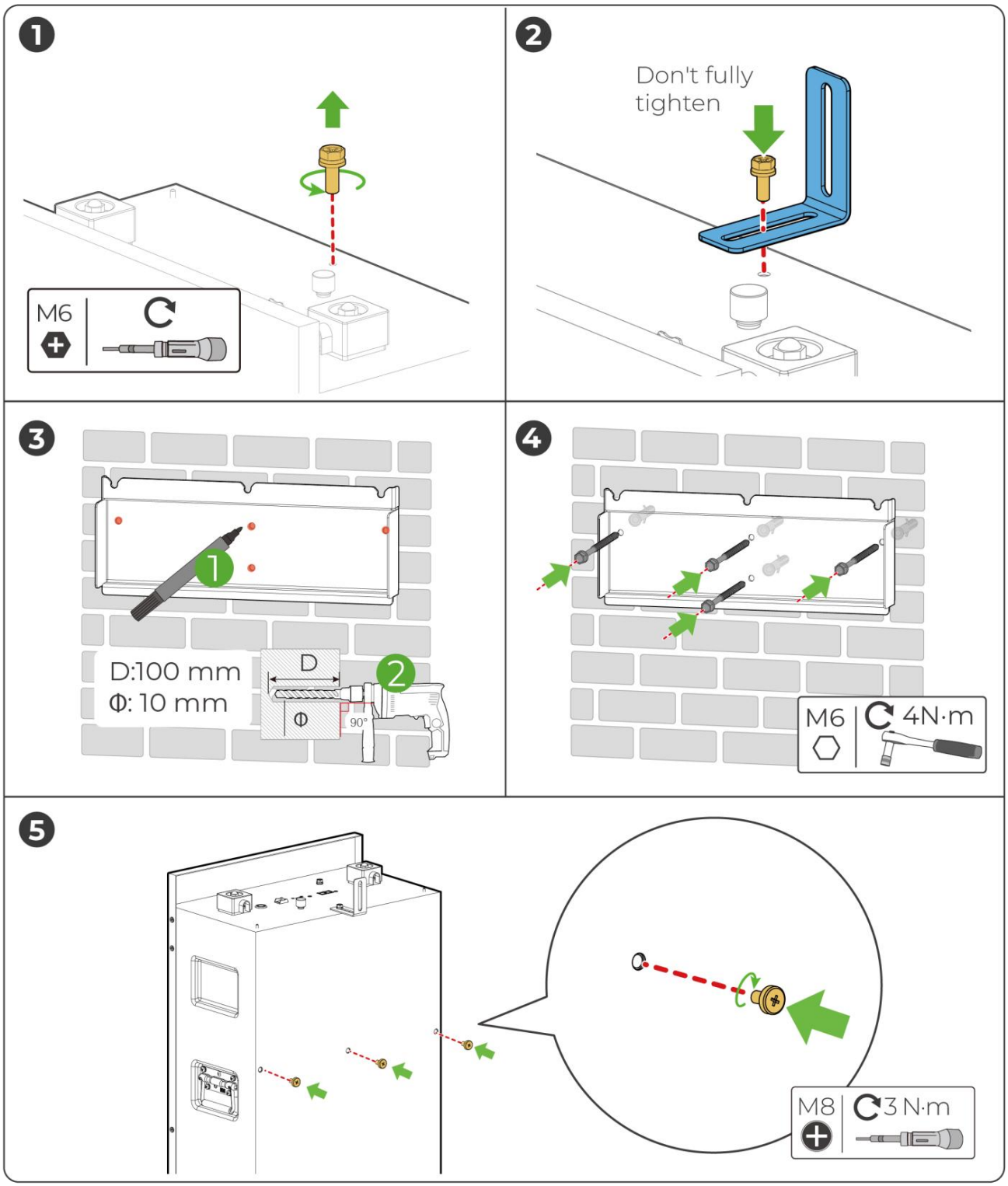
⚠	WARNING

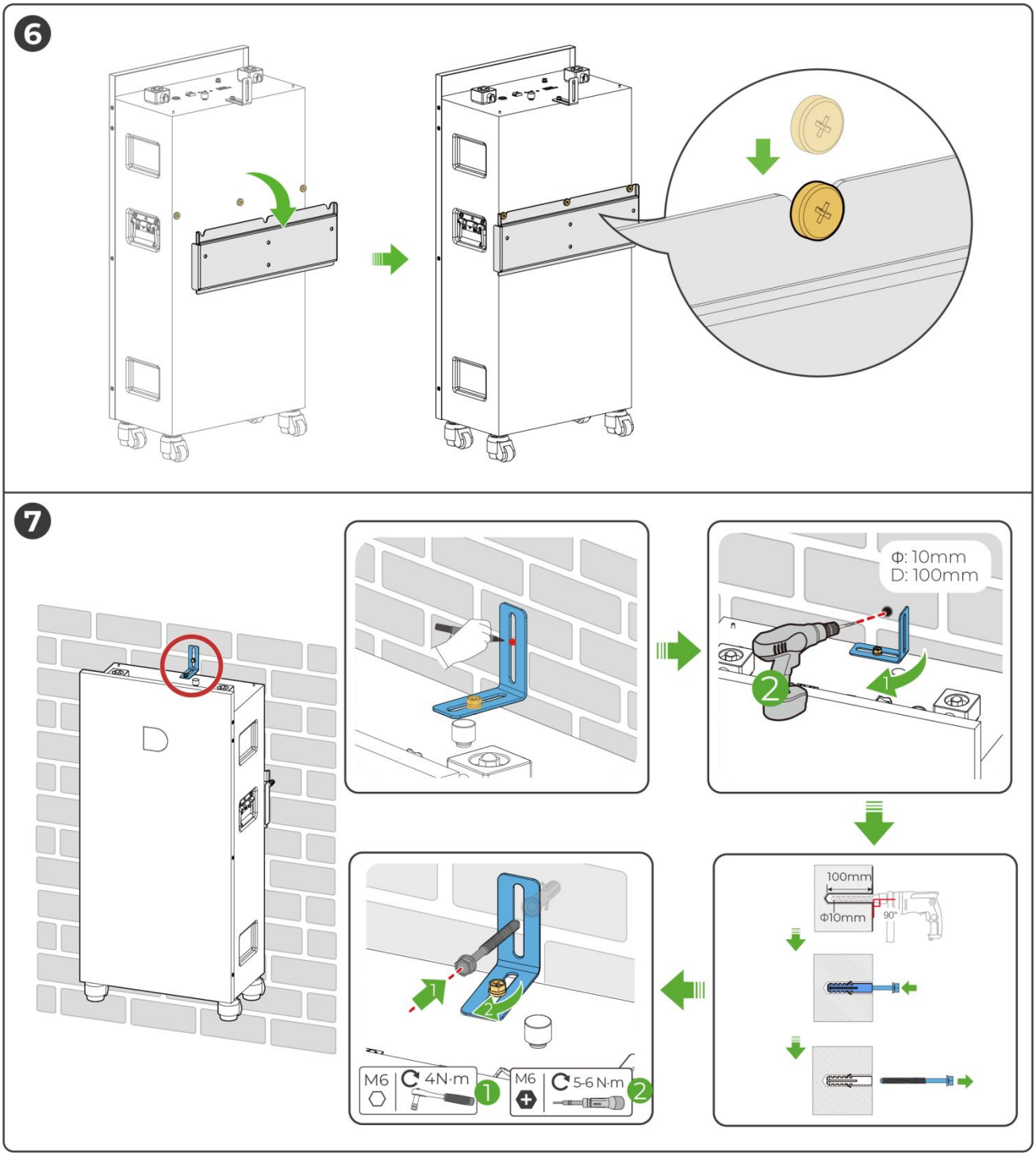
- Wall mounting installation requires a professional to assess the load-bearing capacity of the wall.
- The Battery is heavy. Please use appropriate handling tools (trolley assistance is recommended) during installation to avoid personal injury.
- After installation, please use a level to confirm that the Battery is in a vertical position. Inclined use is strictly prohibited.

Steps:

1. Unscrew the M6 screws on the battery.
2. Use M6 screws to pre-install the L-shaped mounting bracket onto the Battery, but do not tighten it yet.
3. Place the wall mounting plate horizontally at the intended installation height and mark the drilling position with a pen.
4. Drill holes at the marked positions and use expansion screws to securely fix the wall mounting plate to the wall.
5. Tighten the M8 step screws into the corresponding holes on the back of the Battery.
6. Lift the Battery, align the screws on the back of the Battery with the grooves on the wall mounting plate, press down to secure, and confirm the connection is firm.

7. Use expansion screws to lock the L-shaped mounting bracket to the wall and adjust the Battery to keep it vertical.





	NOTICE
The system supports up to 50 PowerBrick Max20 units in parallel to increase total capacity. Please use a single installation method (floor or wall mounting) for all units.	

6 Electrical Connection

6.1 Prepare Cables

Cables required for Single-Unit scenarios:

Cable	Specification	Quantity
Positive Power cable	Single-core outdoor copper core cable Conductor cross-sectional area: 1AWG/42.4 mm² Length: 1500mm	1
Negative Power cable		1
Communication Cable (Battery-Inverter)	Twisted pair and RJ45 connector Length: 2000mm	1
Grounding cable	Single-core outdoor copper core cable Conductor cross-sectional area: 10 AWG/ 5.2 mm² Length: 500mm	1

Cables and accessories required for capacity expansion scenarios:

Cable	Specification	Quantity
Communication Cable (Battery-Battery)	Twisted pair and RJ45 connector Length: 2000mm	1
CAN Resistor	120Ω (used when parallel system ≥12)	1

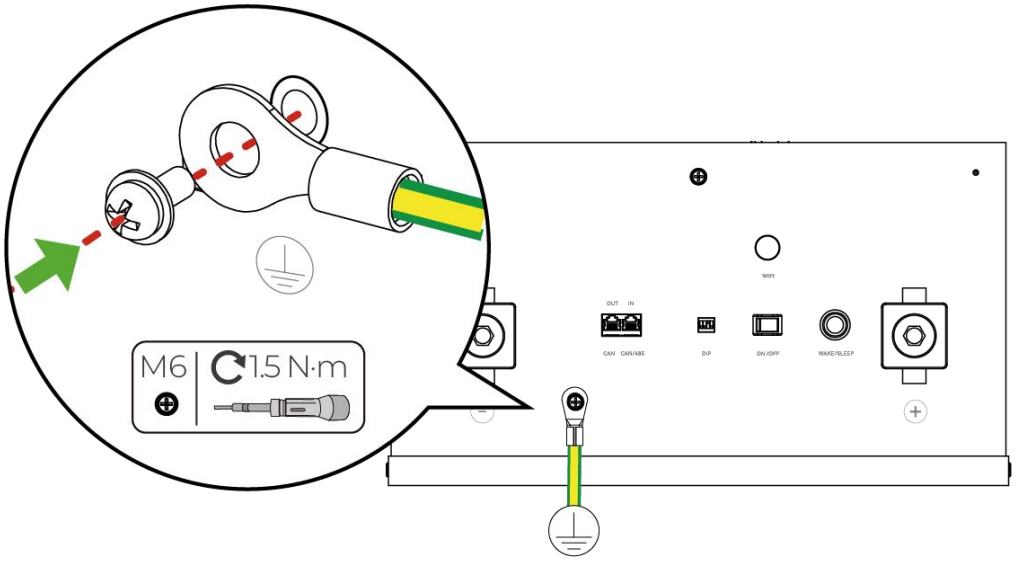
DANGER

- Before making electrical connections, ensure that all switches connected to the energy storage system are set to OFF; otherwise, high voltage may cause electric shock hazards.
- Pay attention to polarity during wiring. It is strictly forbidden to short-circuit the positive and negative terminals of a single battery or battery string, otherwise a short circuit may occur.
- Smoking or using open flames near the battery is strictly prohibited.
- Equipment damage caused by wiring errors is not covered by the warranty.
- Electrical connections must be performed by certified professional electrical technicians.
- Special insulated tools must be used during operation, and personal protective equipment must be worn to prevent electric shock or short circuit.

6.2 Protective Grounding Connection

DANGER
• Please ensure the protective **grounding cable** is securely connected. If not connected or loose, it may cause electric shock hazards. • When installing equipment, the protective ground wire must be installed first; when removing equipment, the protective ground cable must be removed last.

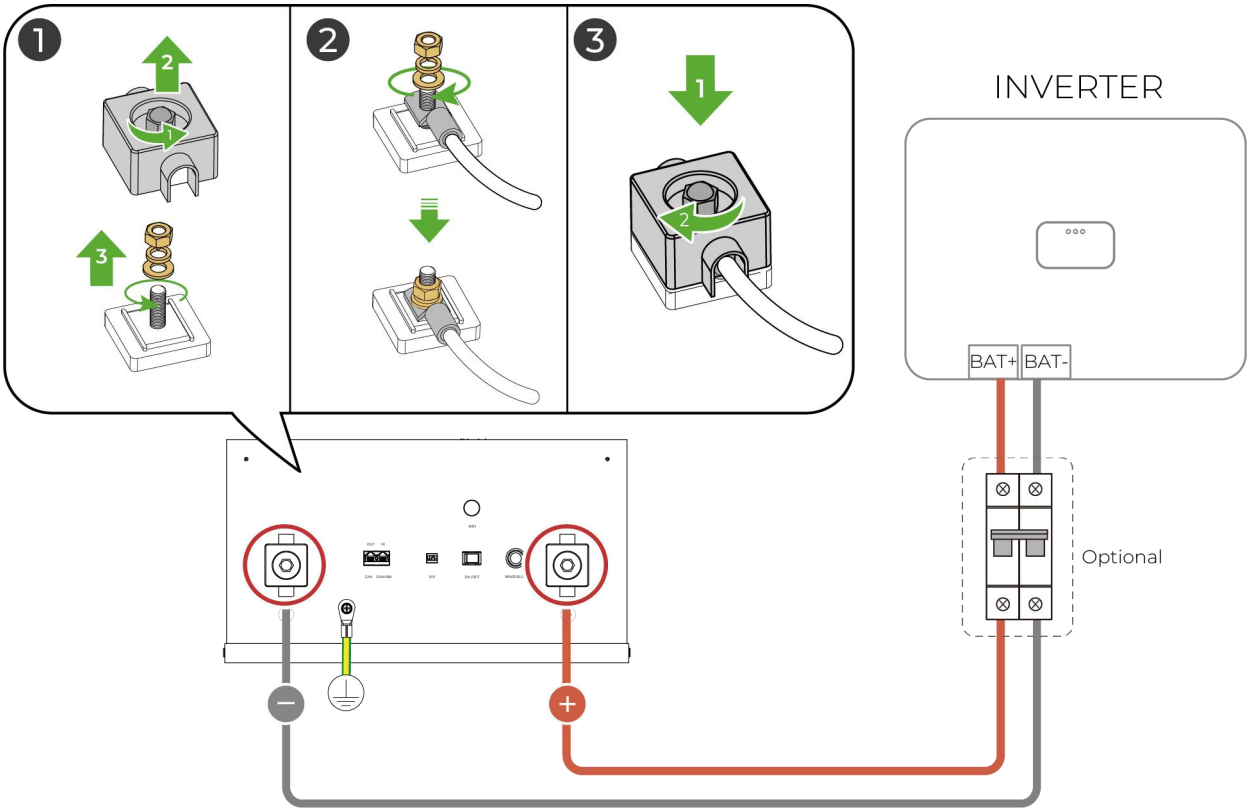
Connect the grounding point of the battery system to the external grounding point.



6.3 Power Cable Connection

WARNING
• Before wiring, please confirm the polarity is correct—red cable connects to BAT+, black cable connects to BAT-. • Before wiring, disconnect the DC circuit breaker on the battery side and ensure the battery switch is in the OFF position. Use a Multimeter to confirm there is no residual voltage between the positive and negative terminals on both the battery and inverter sides before proceeding with wiring. • Install a DC switch between the inverter and battery if required by local laws and regulations.

TIPS
• The cable length is 1500mm. Plan the equipment installation location accordingly. • For specific operations on the inverter side, please refer to the "Installation Guide" for the corresponding inverter model.



6.4 Communication Cable Connection

WARNING

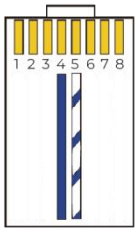
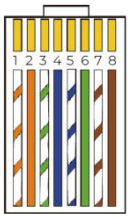
- Use the supplied communication cable whenever possible and ensure that the connection is secure and reliable. Do not extend or modify the communication cable without authorization, Using an incompatible communication cable may cause communication failure or equipment damage.
- If the included communication cable cannot be adapted or is not long enough, please contact us to obtain compatible communication cable specifications, to be made by a certified electrician using special tools.
- The communication cable must be shielded twisted pair. The use of ordinary network cables is strictly prohibited.
- Before connecting or disconnecting communication cables, ensure that both the battery and inverter are completely powered off.
- The applicable communication network cable may differ for different inverters. Before wiring, please check the brand information on the network cable label in the box to confirm that the communication cable supports the connected inverter. Using an incompatible communication cable may cause communication Fault or equipment damage.

NOTICE

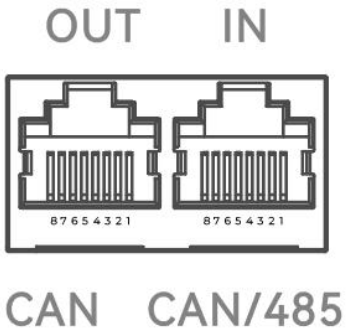
- When routing signal cables, please ensure that signal cables are separated from power cables, and avoid major sources of interference during routing to prevent signal interference affecting communication.

TIPS
• Between the battery and inverter, both CAN and RS485 are supported; • The included communication cable is 2,000 mm long. Ensure the equipment is installed within an appropriate distance. • For wiring operations on the inverter side, please refer to the "Installation Guide" for the corresponding inverter model.

RJ45 connector:

	
Battery-Inverter (Solis/GOOOWE/Deye/SMA/LUX/APsystems SAJ/Solplante/GROWATT(CAN)/TBB/SOSEN/hoymiles/SUNGROW/SOLAX/MEGAREVO...)	Battery-Battery

Communication port definition:


Battery COM Port

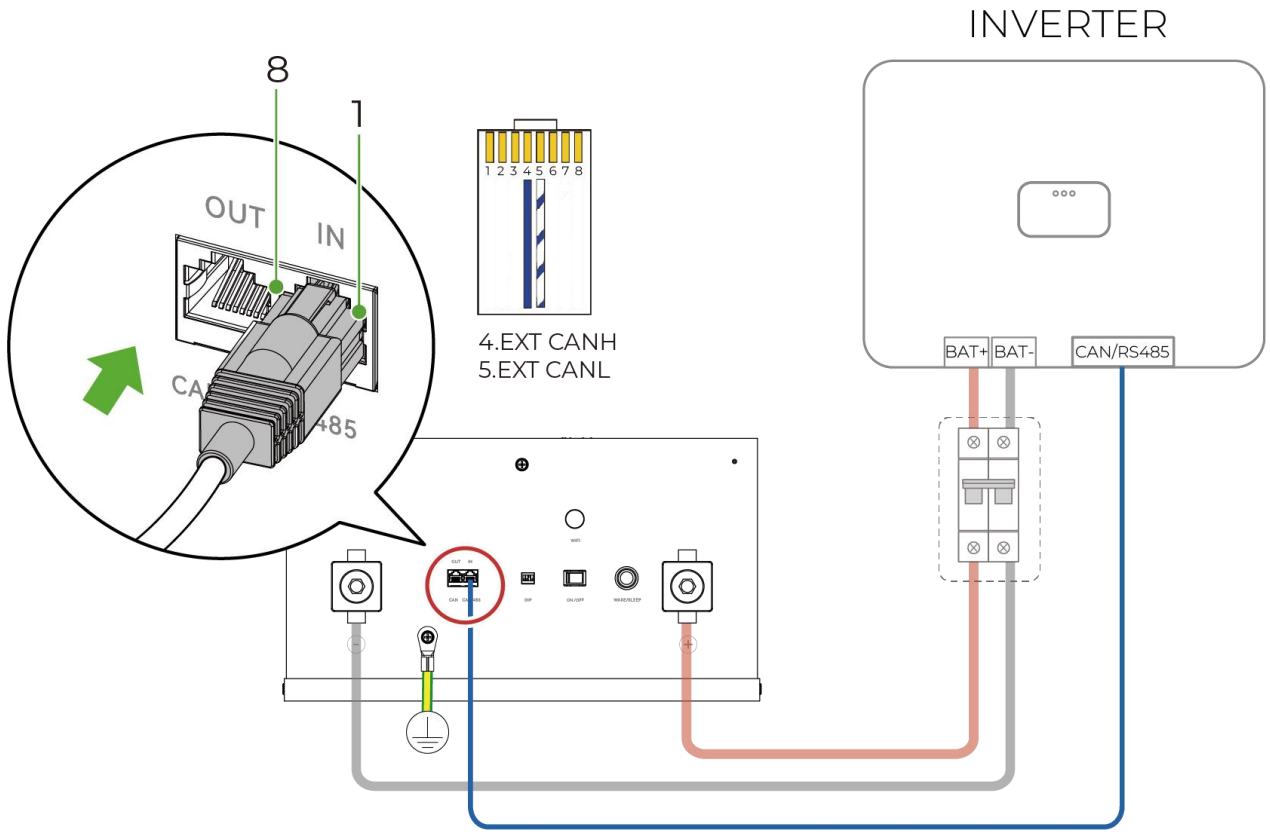
PIN	IN, CAN/485	Definition
PIN1	RS485B	Connect to inverter communication port
PIN2	RS485A	
PIN3	Reserved	Reserved

PIN4	EXT CANH	Connect to inverter communication port
PIN5	EXT CANL	
PIN6	Reserved	Reserved
PIN7	INT CANH	Battery parallel communication port
PIN8	INT CANL	

PIN	OUT,CAN	Definition
PIN1	Reserved	Reserved
PIN2	Reserved	
PIN3	Reserved	
PIN4	Reserved	
PIN5	Reserved	
PIN6	Reserved	
PIN7	INT CANH	Battery parallel communication port
PIN8	INT CANL	

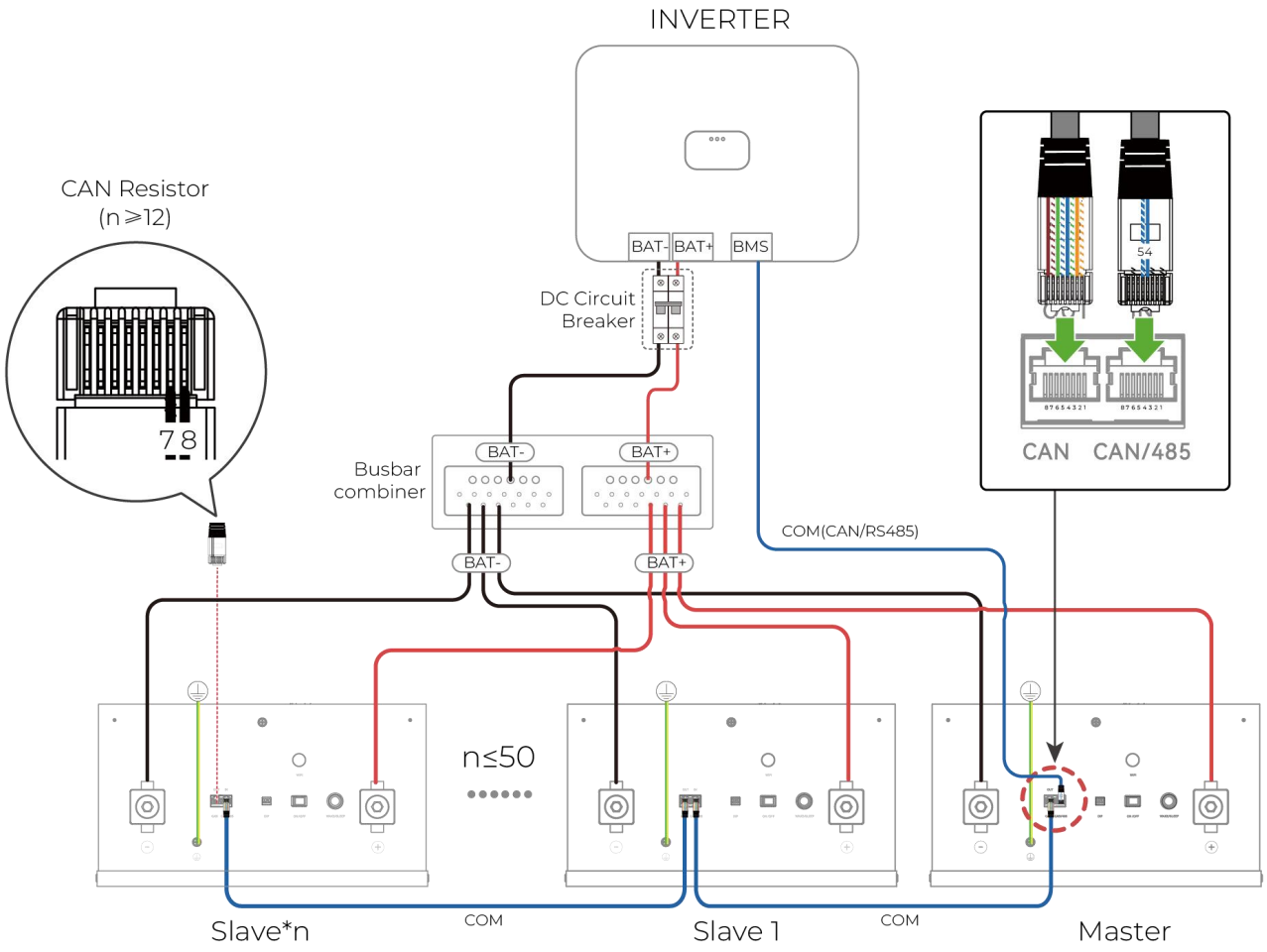
Install the signal cable of the battery system:

	NOTICE
The RJ45 connector may vary by inverter type. Please verify compatibility before connecting.	



6.5 Parallel System Wiring (Optional)

When connected using busbars, the system supports up to 50 battery units.

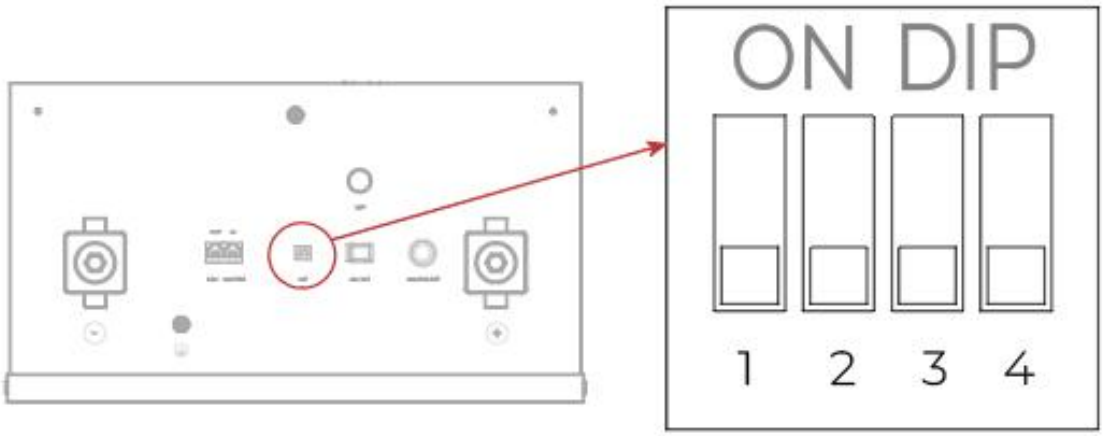


	NOTICE

- When multiple units are connected in parallel, if the number of parallel units exceeds 12, a terminal resistor (120Ω) must be installed on the CAN OUT port of the last slave unit.
- The busbar specifications and the cable sizing between the busbar and the inverter must be selected based on the inverter model and the number of paralleled battery units.

6.6 Parallel System Configuration (Optional)

6.6.1 DIP Switch Description



Switch	Description
DIP switch 1	Define different protocols;
DIP switch 2	Define different protocols;
DIP switch 3	Define different protocols;
DIP switch 4	Baud rate selection OFF: CAN: 500K,485: 9600 ON: CAN: 250K,485: 115200

Factory default: all OFF (0000)

6.6.2 DIP Switch Address Setting

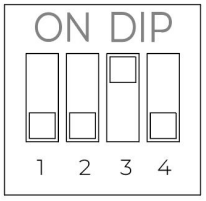
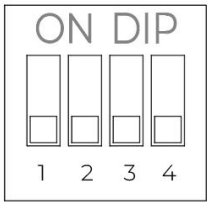
NOTICE

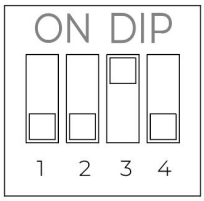
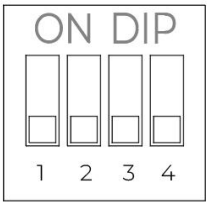
- Regardless of the number of paralleled units, only one unit must be configured as the Master. All Slave units must remain set to 0000. DIP switches must be configured only when the battery is completely powered off. Changes made while powered on will not take effect.
- Please set the DIP switches in order from left to right (1~4) to avoid missing or skipping positions.
- If the DIP switch is set incorrectly, power off and reset it to the correct position.

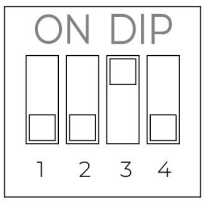
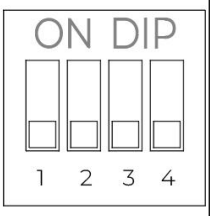
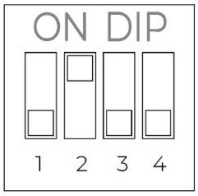
TIPS

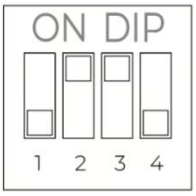
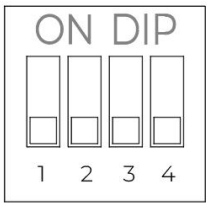
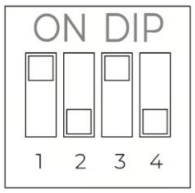
- This document lists DIP switch examples for only some of the inverter brands compatible with the PowerBrick Max20.
- For the complete list of compatible inverters, please visit the Dyness official website at https://www.dyness.com/inverter-matching-list and search for "List of the Inverter Brands Compatible with Dyness Low-voltage Batteries".

PowerBrick Max20 compatible inverters(partial) — battery DIP switch settings

Inverter		Master	Slave
Dyness	LS Series	 SW1(OFF) SW2(OFF) SW3(ON) SW4(OFF)	 SW1(OFF) SW2(OFF) SW3(OFF) SW4(OFF)
Deye	SUN-7.6/8K-SG01LP1-EU		
	SUN-12/14/16K-SG01LP1-EU		
	SUN-12/14/16/18K-SG01LP1-EU-AM3-P		
	SUN-7.6/8/10/12K-SG02LP1-EU-AM2/AM3		
	SUN-7.6/8/10/12K-SG02LP1-EU-AM2/AM3-P		
	SUN-3/3.6/5/6K-SG03/04LP1-EU		
	SUN-3/3.6/5/6K-SG04LP1-EU-SM1/SM2		
	SUN-7/7.6/8/10K-SG05LP1-EU-SM2		
	SUN-3.6/5/6/7/7.6/8/10K-SG05LP1-EU		
	SUN-3.6/5/6/7/7.6/8/10K-SG05LP1-EU-SM2-P		
	SUN-3.6/5/6/7/7.6/8/10K-SG05LP1-EU-AM2-P		
	SUN-5/6/8/10/12K-SG04LP3-EU		
	SUN-5/6/8/10/12K-SG04LP3-EU-AM2-P		
	SUN-14/15/16/18/20K-SG05LP3-EU-SM2		
	SUN-3/4/5/6/8/10/12K-SG05LP3-EU-SM2		
GoodWe	GW3648D/5048D-ES/EM/SBP		
	GW3K-6K-ES/SBP-20		
	GW8K~12K-ES-C10		
	GW EO3.5-6kW		
	GW ET LV 6-20kW		

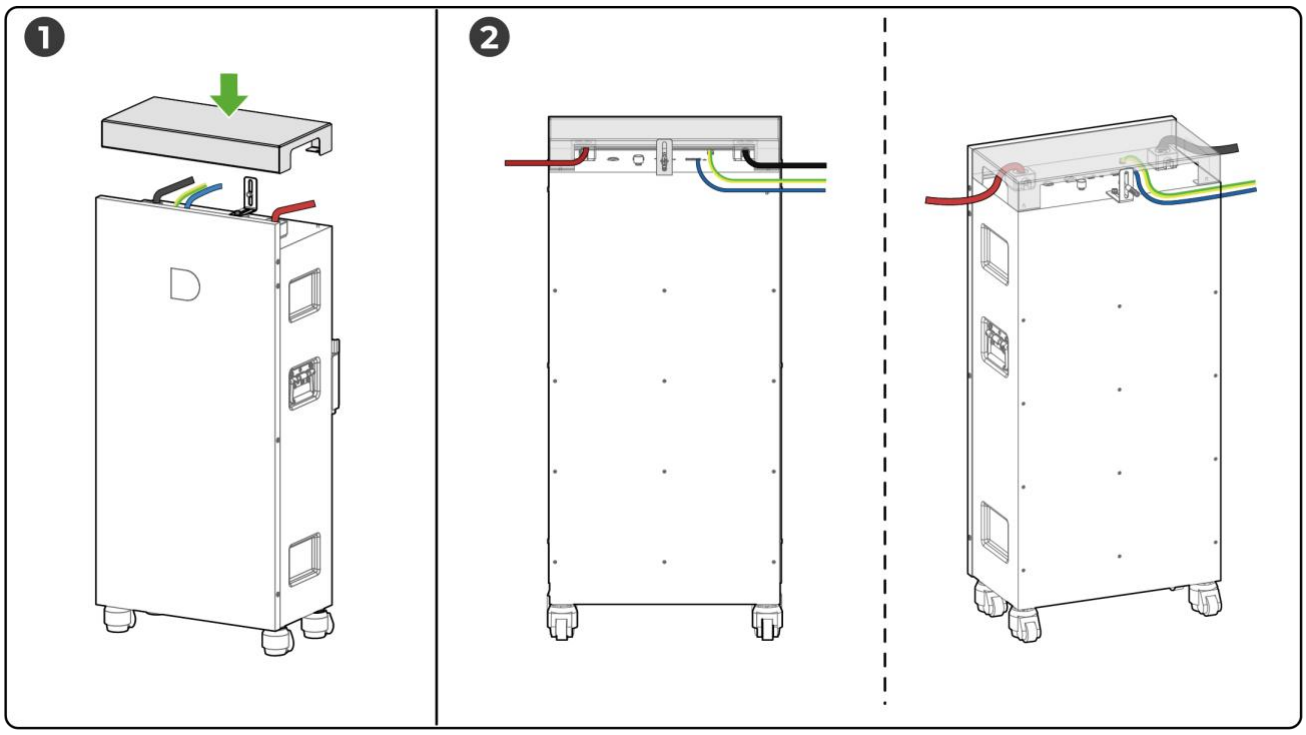
Inverter		Master	Slave
Solis	RHI-3K~5K-48ES	 SW1(OFF) SW2(OFF) SW3(ON) SW4(OFF)	 SW1(OFF) SW2(OFF) SW3(OFF) SW4(OFF)
	RHI-3K~6K-48ES-5G		
	S5-EH1P(3-6)K-L		
	S5-EA1P3K-L		
	S5/6-EO1P(4-5)K-48		
	S6-EH1P(3-6)K-L-EU		
	S6-EH1P(12-16)K-L		
	S6-EH1P3K~8K-L-PRO/PLUS		
	S6-EA1P(3.6-6)K-L		
	S6-EH3P(8-15)K02-NV-YD-L		
	S6-EH1P(12-16)K03-NV-YD-L		
	DYNE 3.0L~8.0L-1P-A		
SMA	SI4.4M /6.0H/8.0H-12		
Victron	Multiplus/Quattro 48V Series		
Ingeteam	INGECON SUN STORAGE 3TL~6TLM		
Solplanet	ASW3K~6KH-S2 ASW BH Series ASW SH Series		
SOFAR	HYD 3K~6K-ES		
Hoymiles	HYS-LV-EUG1 Series		
	HYS-LV-USG1 Series		

Inverter		Master	Slave
Hoymiles	HYS-LV-AUG1 Series	 SW1(OFF) SW2(OFF) SW3(ON) SW4(OFF)	 SW1(OFF) SW2(OFF) SW3(OFF) SW4(OFF)
	HAS-LV-EUG1 Series		
	HAS-LV-USG1 Series		
	HIT-(5-20)L-G3		
AP systems	ELS-3K/5K		
	ELT-6~12		
LUXPOWER	LXP Hybrid 3K~12K		
	SNA3K~6K (Intelligent off-grid & hybrid modes)		
	LXP-LB-US 12K		
	SNA-US-12K		
MUST	PV18 2-5kW/PH182-5.5KW		
SOSEN	SSE-HL3-8K-P1EU		
	SSA-HL5-5.5K-P1EU		
Afore	AF3K~6K-SL		
	AF1K~3.6K-SL-1		
Voltronic Power	Infinisolar series 48V	 SW1(OFF) SW2(ON) SW3(OFF) SW4(OFF)	
	Axpert KING 5KW		
	Axpert VM III 5KW		
	Axpert VM IV 6KW		
	VM II Premium 8-12K		
	MAX E-11KW TWIN		
Growatt	Growatt SPH/SPF/SPE/WIT Series (CAN comm)		

Inverter		Master	Slave
Growatt	Growatt SPH/SPF/SPE Series (RS485 comm)	 SW1(OFF) SW2(ON) SW3(ON) SW4(OFF)	 SW1(OFF) SW2(OFF) SW3(OFF) SW4(OFF)
Schneider	Conext Series	 SW1(ON) SW2(OFF) SW3(ON) SW4(OFF)	

6.7 Install Dust Cover

After wiring is completed, install the dust cover plate.



7 System Commissioning

7.1 Pre-power-on Inspection

NO.	Inspection Items	Acceptance Criteria
1	Battery Installation	Installed correctly and firmly secured
2	Grounding Connection	The ground wire is connected correctly and firmly secured
3	Cable Connection	The positive and negative power cables are connected correctly, and the communication cable is firmly secured
4	Switch Status	The DC circuit breaker and all switches are in the OFF state
5	Installation Environment	The installation space is reasonable, and the environment is clean and tidy

7.2 Power-on

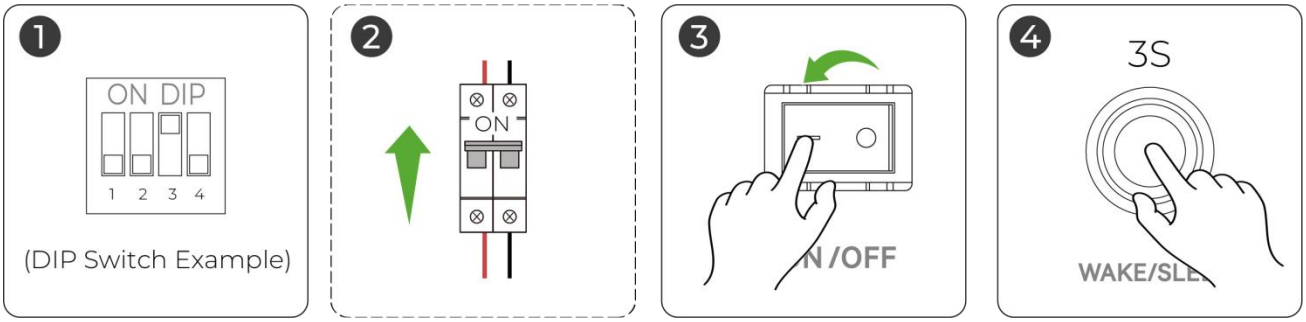


NOTICE

- In parallel scenarios, DIP switch settings must be completed first. The DIP switch must be operated only when completely powered off. It is strictly forbidden to operate the DIP switch under power.
- Multi-system Startup : Press "WAKE/SLEEP" on the master,the slaves will start automatically after the master powers on — no manual operation per unit required.
- If the indicator light does not turn on or shows red after pressing and holding the power button, please stop operation and refer to Section “8.3 Troubleshooting”.
- After powering on the battery system, then power on the inverter. Refer to the quick guide for the corresponding model for inverter power-on steps.

Steps:

1. Set the DIP switch to the correct position.
2. Turn on the DC breaker at the battery side. (Optional).
3. Press the ON/OFF button to the ON position. (Rocker switch: OFF → ON)
4. Press and hold the “WAKE/SLEEP” button for about 3 seconds. The indicator light will flash green, indicating successful startup.



7.2.1 LED Indicator Description

The battery front panel is equipped with a "D" shaped indicator light, which is used to indicate the current operating status, remaining capacity (SOC), and alarm information of the battery.

When someone approaches the battery, the D light turns on. The status is defined as shown in the table below; when the person leaves, it turns off after 10 seconds.

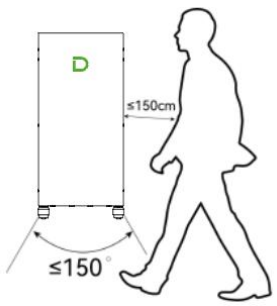
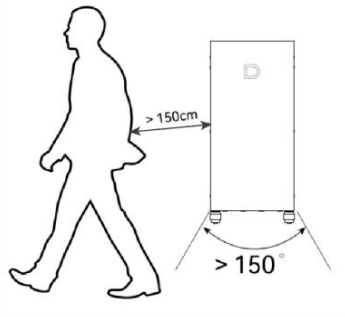
	
Light on	Light off

Diagram	Status	Meaning	Description
	Green light flashing	Normal operation	Standby, displaying remaining power (SOC)
	Green light cycles upward	Charging	The battery is in normal charging status
	Green light cycles downward	Discharge	The battery is in normal discharging status
	Red light steady on	System protection	Protection states such as under-voltage, over-temperature, over-current, etc.
	Yellow light flashing	Communication abnormality	After the battery address is assigned successfully, communication between batteries is interrupted or communication

			between the indicator board and BMS is interrupted.
	White light steady on	Device abnormality	Before startup, communication between batteries is interrupted or communication between the indicator board and BMS is interrupted, resulting in the battery address not being assigned successfully.

If the indicator light alarms, please refer to the "8.2 Indicator Light Alarm Description and Handling" chapter for solution.

7.3 Dyness APP Operation Guide

This section only shows the key steps required for quick configuration. For detailed APP instructions, refer to the Dyness App User Manual. Scan the QR code below to access the manual:

TIPS
• Please upgrade the APP to the latest version. • Due to APP version updates, the APP interface may differ. Images are for reference only.

7.3.1 APP Introduction

Dyness APP is a mobile monitoring and management tool specifically designed for Dyness energy storage systems. Through the Dyness APP, installers or owners can monitor and manage the energy storage system anytime and anywhere, enjoying a more convenient, efficient, and secure energy usage experience.

7.3.2 Download and Log In

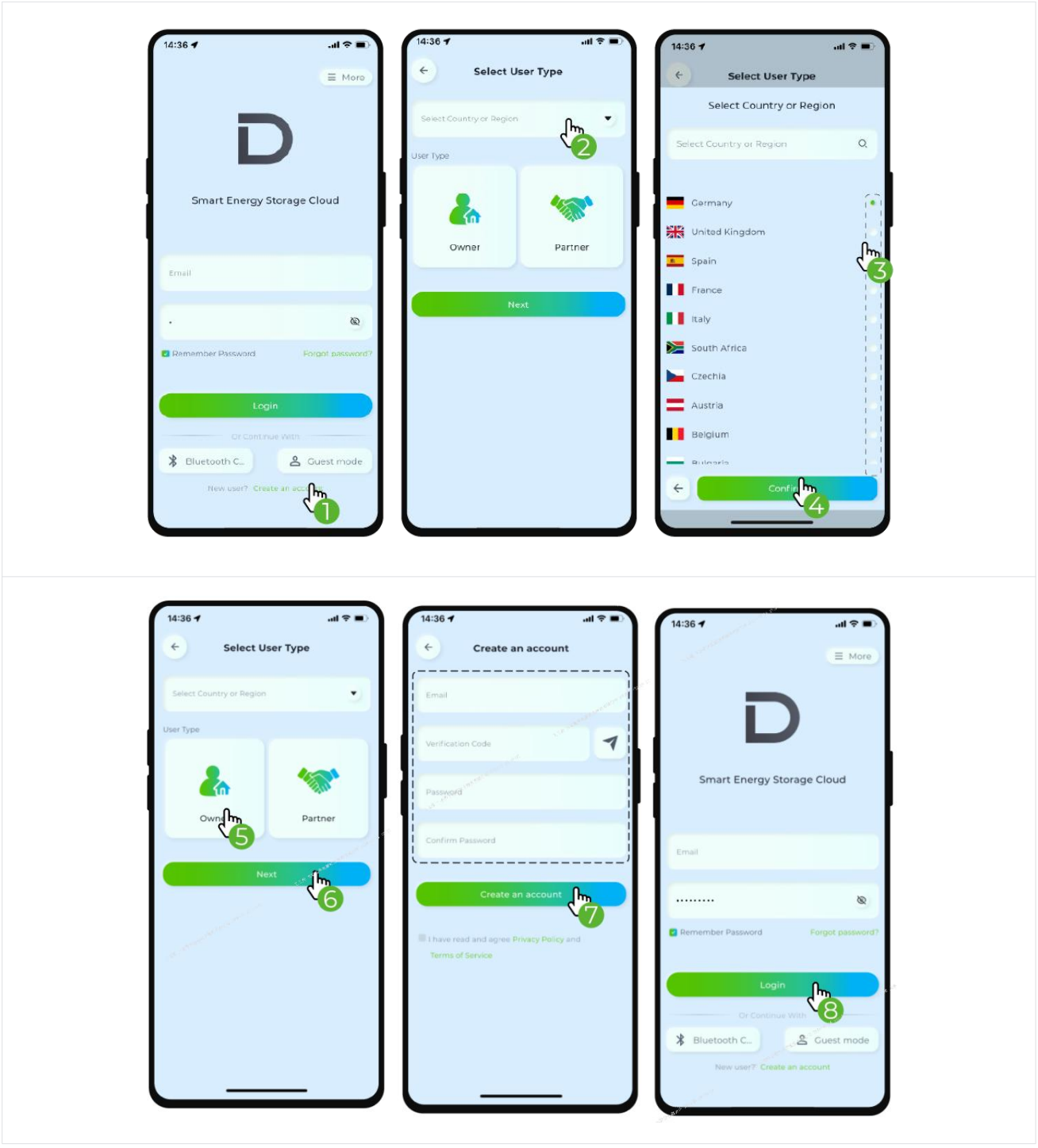
Download the Dyness App:

Download the Dyness App from the App Store (for iOS devices) or Google Play (for Android devices), or by scanning the QR code.



Register / Login

TIPS
• **Country/Region selection:** The country/region selected during registration must match your actual residential address. Incorrect selection may result in device connection failure. • **User type selection:** Regular users please select "Owner". Installers/Distributors: Please select "Partner". • Partner Account login permissions can be enabled by contacting the Dyness service team; or you can register yourself (please contact the distributor or Dyness in advance to obtain an "invitation code"). • The data viewed and operational permissions available may differ depending on the login role.



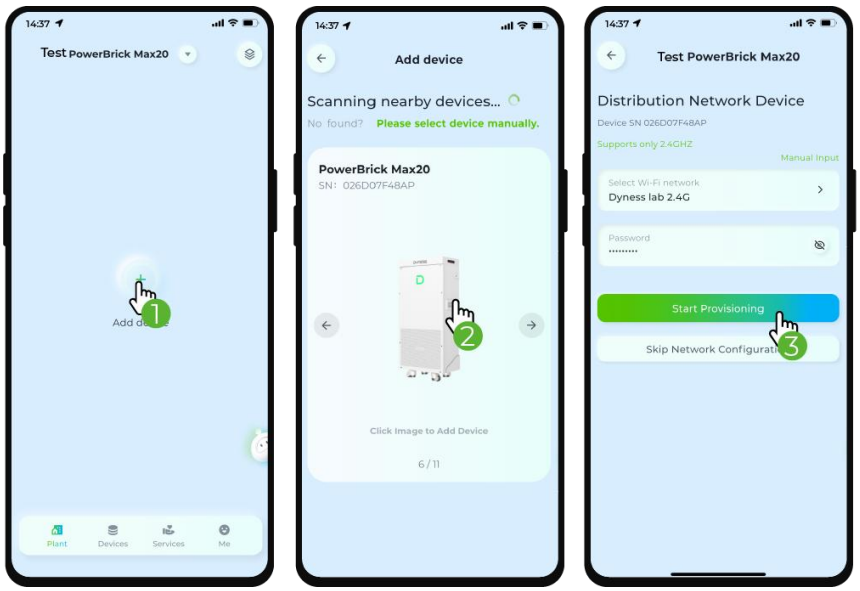
Steps:

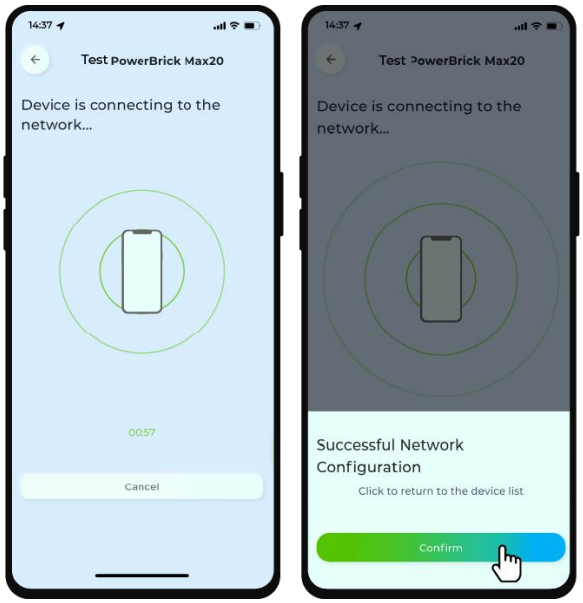
1. Tap "Create an Account" on the login page.
2. Tap "Select your country/region".
3. Select your country/region.
4. Tap "Confirm".
5. Choose your user type.
6. Tap "Next".
7. Fill in your information, tap "Create an Account" to finish registration.
8. Type in your account information and log in.

7.3.3 Add Device and Configure Network

Add PowerBrick Max20 and connect it to your home router's Wi-Fi network.

Method 1: Automatic Connection

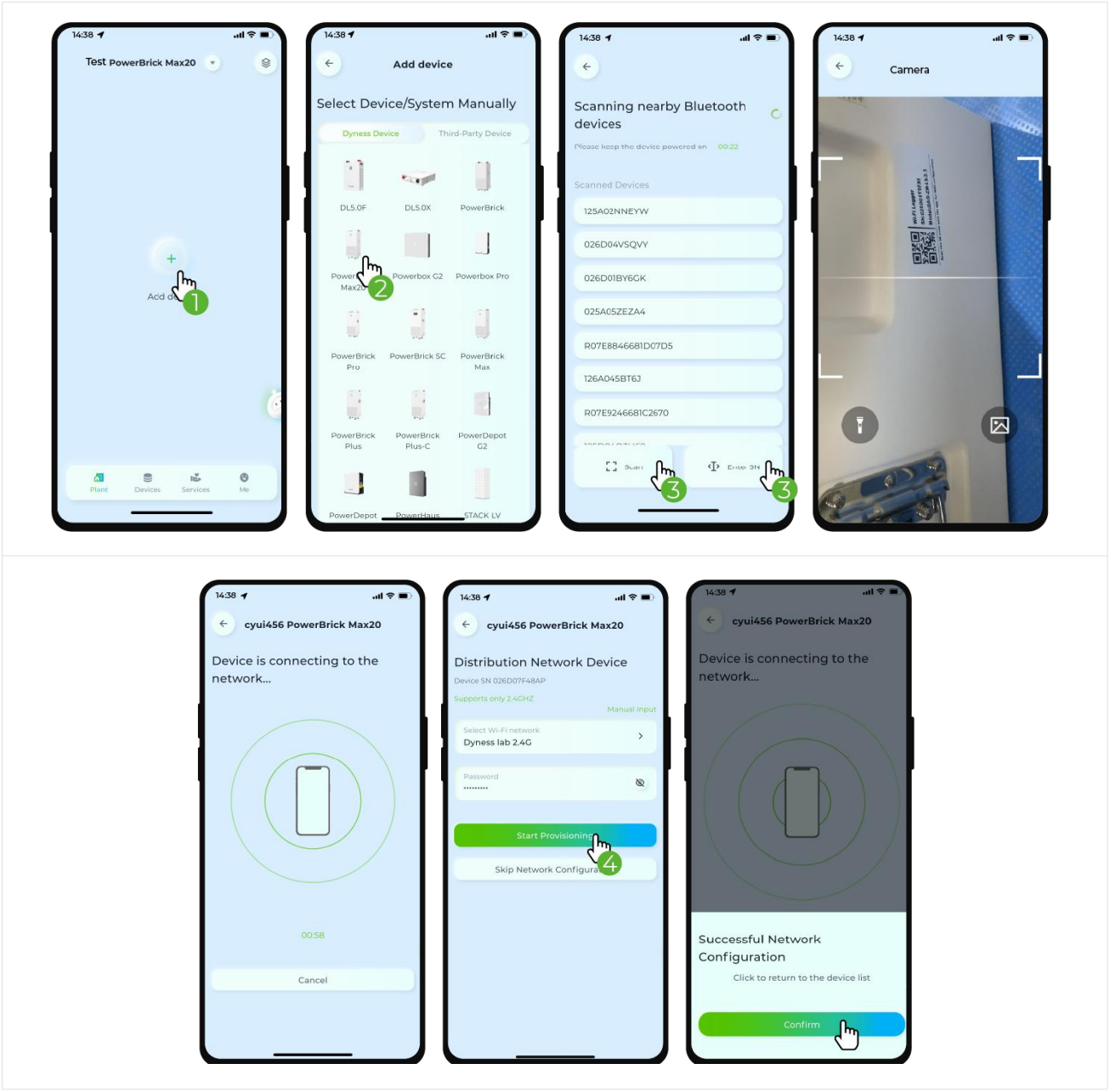




Steps:

1. Tap “Add device” from the menu.
2. Swipe left or right to select the “PowerBrick Max20” device.
3. Enter your home 2.4GHz Wi-Fi name and password, then tap “Start Provisioning”.

Method 2: Manual Connection



Steps:

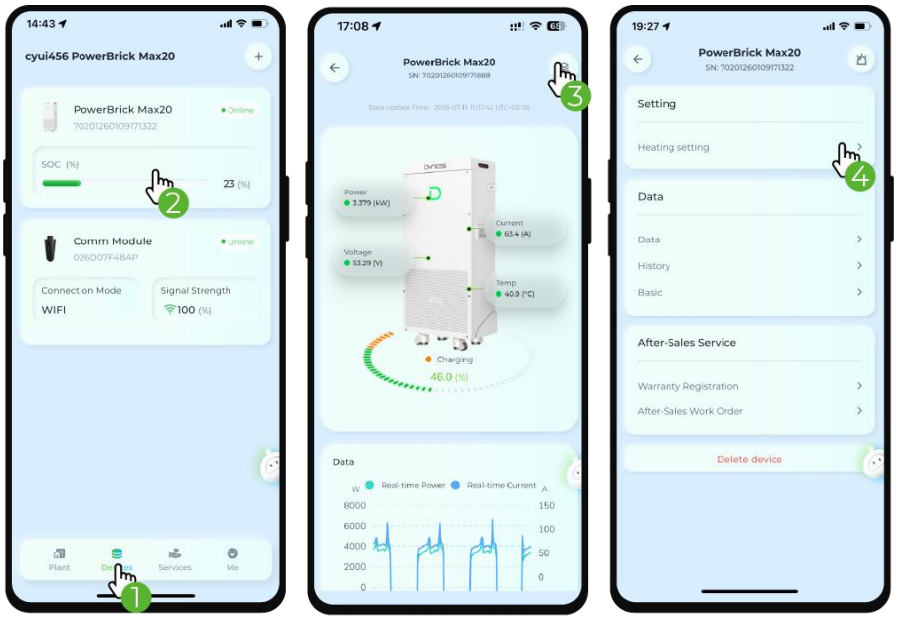
1. Tap “Add device” from the menu.
2. Manually select PowerBrick Max20 from the product list.
3. Choose to connect the battery by scanning the code or entering the SN.
4. Enter your home 2.4GHz Wi-Fi name and password, then tap “Start Provisioning”.

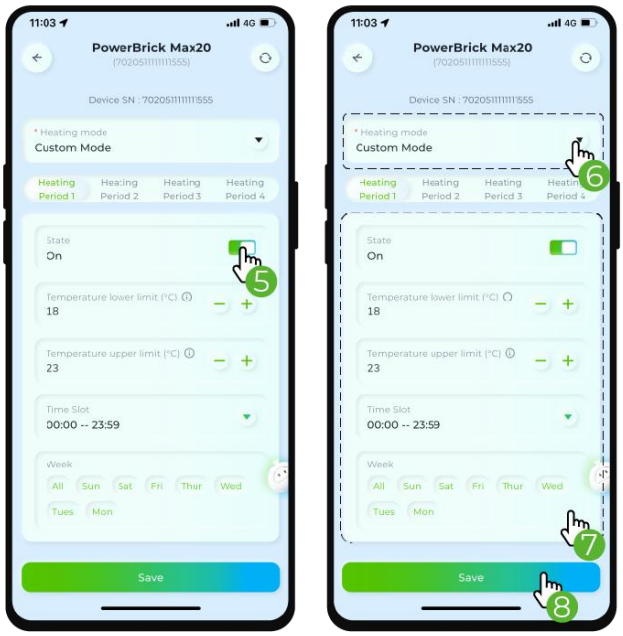
TIPS
If you encounter connection issues, please try the following methods: • Please ensure your Wi-Fi router is operating normally. • Please move the router closer to the device. • Please make sure the Wi-Fi password is correct. • Please ensure the router's wireless network is set to the 2.4 GHz band.

7.3.4 Heating Settings (Optional)

For battery systems equipped with heating functions, users can flexibly set the heating start/stop time and start temperature. There are three modes to choose from:

Mode	Description	Application Scenario
Default Mode	Automatically controls the heating function based on battery safety and performance.	Suitable for most daily usage scenarios
Performance Mode	Activation condition: When the battery temperature is below 18℃, the system will start heating. Stop condition: When the battery temperature is above 22℃, the system will stop heating.	High-rate charging/discharging scenarios (high power/energy ratio)
Custom Mode	Start-up temperature (turn-on temp): Adjustable between 10℃ and 20℃. Stop temperature (turn-off temp): Adjustable between 15℃ and 25℃. Hysteresis: ≥ 5℃ Up to 4 time periods can be set.	Suitable for high-rate charging/discharging scenarios (high power/energy ratio).



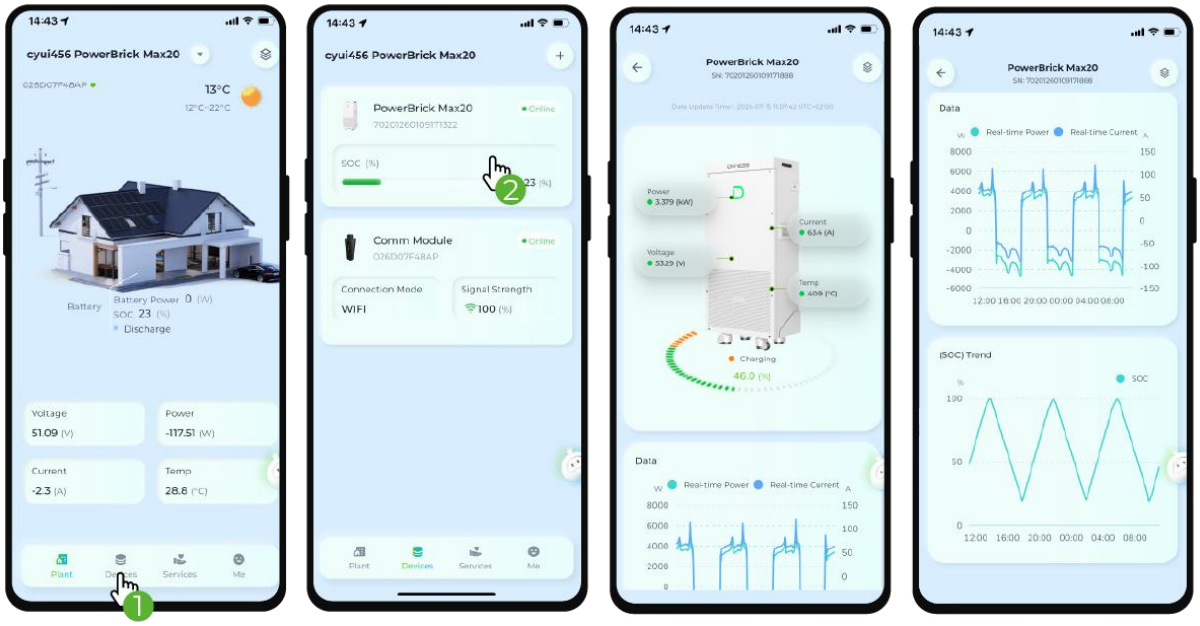


Steps:

1. Tap “Devices” from the menu.
2. Tap the battery device.
3. Tap the icon in the upper right corner of the battery interface.
4. Select "Heating Setting".
5. Set the mode of the "State" tab to "On".
6. Select the heating mode according to your needs.
7. If you select "Custom Mode", you need to set the heating start/stop temperature and time period.
8. Tap "Save" to complete the heating mode setup.

7.3.5 View More Information

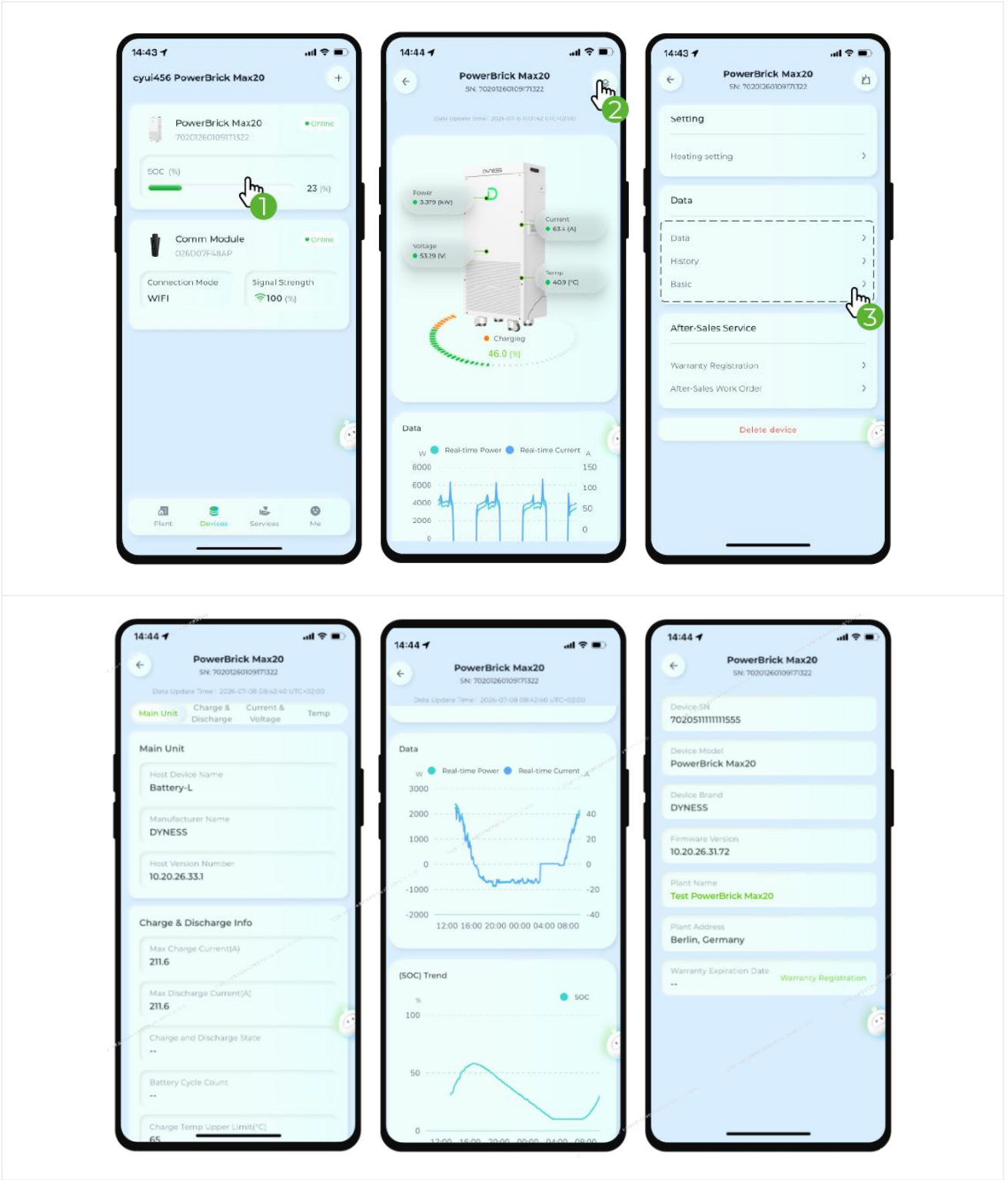
After the device is successfully connected, you can view the device's real-time data, basic information, historical data, etc.



Steps:

1. Tap “Devices” from the menu.
2. Tap the battery device.
3. Scroll down the page to view the battery's basic information and data.

View more parameter information, historical data, and basic information of the battery.



Steps:

1. Tap “Devices” from the menu.
2. Tap the icon in the upper right corner of the battery interface.
3. In the "Data" section, check more battery information.

8 System Maintenance

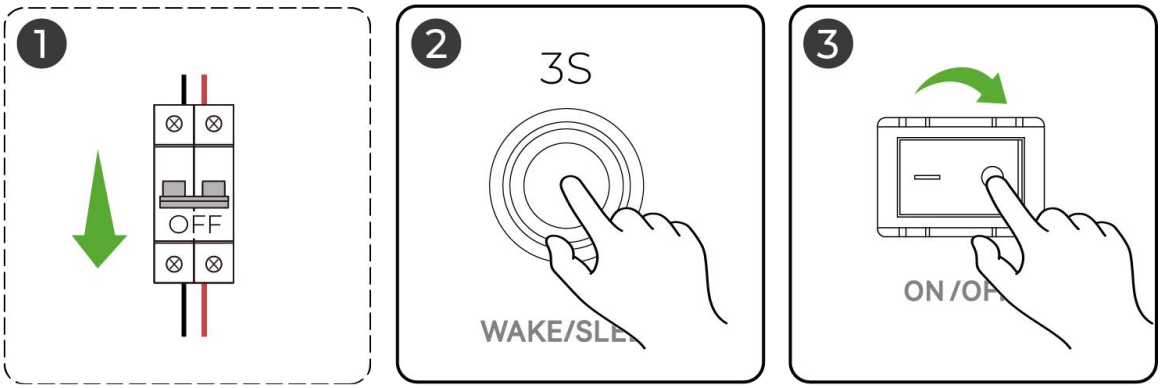
8.1 Power-off

⚠	WARNING

- After power-off, there is still residual voltage and heat inside the battery. Please wait 15 minutes before performing maintenance operations.
- Please wear personal protective equipment when operating the device.

Steps:

1. Turn off the DC circuit breaker on the battery side (Optional)
2. Press and hold the SW button for 3 seconds to power off, and confirm that all LED indicators are off.
3. Press the ON/OFF button to the OFF position (switch ON → OFF)



8.2 LED Alarm Descriptions and Troubleshooting

When the system enters protection mode or a fault occurs, the LED indicator will alarm. Refer to the indicator statuses in the table below to determine the alarm type and take appropriate action.

Indicator status	Alarm category	Solution
Red light steady on	Charging over-current protection	The system automatically stops charging. Please check whether the inverter charging current parameter setting exceeds the battery's rated value. Ensure the power cable is securely connected, with no looseness or short circuit. Once the current returns to normal, the system will automatically resume charging. If the fault occurs repeatedly, please contact after-sales service.
	Charging high temperature protection	The system automatically stops charging. Check the battery environment and heat dissipation. Once the temperature drops to the recovery threshold, the system will automatically resume

		charging.
	Discharge over-current protection	The system automatically stops discharging. Please check whether the inverter discharge current exceeds the battery's rated current. After returning to normal, the system will automatically resume after 1 minute.
	Discharge high temperature protection	The system automatically stops discharging. Check the battery environment and heat dissipation. Once the temperature drops to the recovery threshold, the system will automatically resume discharging.
	Over-discharge protection	The system automatically cuts off discharging. The battery needs to be charged via the inverter or PV. Once it returns to normal voltage, the protection will be automatically released.
	Battery over-voltage	The system automatically cuts off charging. Please check the inverter charging voltage parameter settings; if over-voltage persists, please contact after-sales service.
	Short-circuit protection	Please immediately cut off the main power supply of the battery. Check whether the battery's positive and negative wiring is correct and whether there is a short circuit. After eliminating the short circuit fault, restart the device; if the problem is not resolved, please contact after-sales service.
	Invalid cell voltage/temperature	Check the internal battery sampling wire, or contact after-sales technical support.
	Low temperature protection	Confirm that the current ambient temperature is within the battery's allowable operating temperature range (if heating function is involved, please confirm the heating module is working properly). The protection will be automatically released once the temperature recovers.
Yellow light flashing	After the battery address is assigned successfully, communication between batteries is interrupted or communication between the indicator board and BMS is	1. Check whether the communication cable between batteries is correctly and securely connected; 2. If the above situations have been ruled out, please contact after-sales service.

	interrupted.	
The battery's white indicator light remains on after startup	Communication interruption between batteries before startup or communication interruption between indicator board and BMS	1. Check whether the communication cable between batteries is correctly and securely connected; 2. Check whether the battery DIP switch settings are correct; 3. If the above situations have been ruled out, please contact after-sales service.

If your problem is not resolved or you need any technical support, please contact DYNESS after-sales service.

8.3 Troubleshooting

Fault	Possible Cause	Solution
Indicator light fails to turn on after power-on.	Power switch not turned on/not pressed	Please make sure to hold the WAKE/SLEEP button for 3 seconds
No voltage output, red light always on, buzzer alarm	1. Battery voltage too low (over-discharge). 2. External discharge current too high (over-current).	1. **Over-discharge:** Use the inverter to charge the battery. The alarm will be automatically cleared after the voltage is restored. 2. **Over-current:** Disconnect the load, confirm that the load power does not exceed the battery's rated output; restart the battery after a short wait.
Battery cannot be fully charged	The inverter's charging voltage setting is too low.	Please log in to the inverter settings interface and adjust the charging cut-off voltage to the range of **56.5 V ~ 57.6 V**.
Red indicator light always on when powered on	Polarity reversed or power cable short-circuited.	Please immediately cut off the main power supply of the battery. Check whether the battery positive and negative cables are reversed, or if there is a short circuit in the power cable. After eliminating wiring Fault, power on again.

Battery and inverter communication failure	DIP switch setting error.	Please refer to the user manual section 6.6.2, set the correct DIP switches in the order of "1~4", and then restart the battery
	DIP switches were not set while powered off.	1. Turn off the battery power 2. Please refer to the user manual section 6.6.2 and reset the correct DIP switches 3. Then restart the battery
	Communication cable wiring sequence mismatch or wiring error	Please refer to the user manual section 6.4, check and use compliant communication cables, and reconnect as instructed.

If your problem is not resolved or you need any technical support, please contact DYNESS after-sales service.

8.4 Maintenance

DANGER

- Before performing equipment maintenance, please ensure that you are wearing the necessary safety protective equipment to prevent electric shock.
- During maintenance, please ensure that both upstream and downstream switches of the equipment are disconnected.
- During maintenance, please strictly adhere to the correct operating procedures.

WARNING

- If exposed copper wires are found inside the conductive cable, do not touch them due to high voltage danger. Please contact after-sales personnel and do not disassemble the device yourself.
- If any other emergency occurs, please contact after-sales personnel immediately and operate under their guidance, or wait for on-site assistance from after-sales personnel.

Content	Method	Maintenance Cycle	Maintenance Purpose
System Cleaning	Check whether the installation space meets the requirements	Once every six months	Ensure proper heat dissipation.

	and check whether there is any clutter accumulated around the equipment.		
System Installation	1. Check whether the equipment is securely installed and whether the fastening screws are loose 2. Check whether the equipment appearance is damaged or deformed.	Once every half year ~ once every year	Confirm the stability of the equipment installation.
Electrical connection	Check whether the electrical connections are loose or if the cable appearance is damaged.	Once every half year ~ once every year	Confirm the reliability of the electrical connections.

8.5 Equipment Removal

WARNING

- Please confirm the device is completely powered off, use testing equipment to check, and ensure there is no voltage or current.
- During operation, be sure to wear insulated gloves, goggles, and other personal protective equipment.
- If the device needs to be used again after removal, please ensure its storage environment meets the product storage requirements.

Step 1: Disconnect all electrical connections of the device.

Step 2: According to the sections "06 Electrical Connection" and "05 Mechanical Installation", disconnect all electrical connections of the system in reverse order and remove the device.

Step 3: Properly store the device. Please use a sturdy carton suitable for the battery's weight and size to pack it securely.

8.6 Disposal and Recycling

When the device can no longer be used and needs to be scrapped, strictly follow the electronic waste disposal regulations of the country or region where the device is located. It is strictly forbidden to discard this device as household garbage to avoid environmental pollution.

	WARNING
When scrapping, please dispose of it according to local electronic waste regulations. Do not mix with household garbage.	

Dyness Digital Energy Technology Co., Ltd.

Email: service@dyness-tech.com

Company Address: 7th–8th Floors, Building 3 No. 58 Nanhu Road
Chengnan Subdistrict, Wuzhong District Suzhou, China

Website