



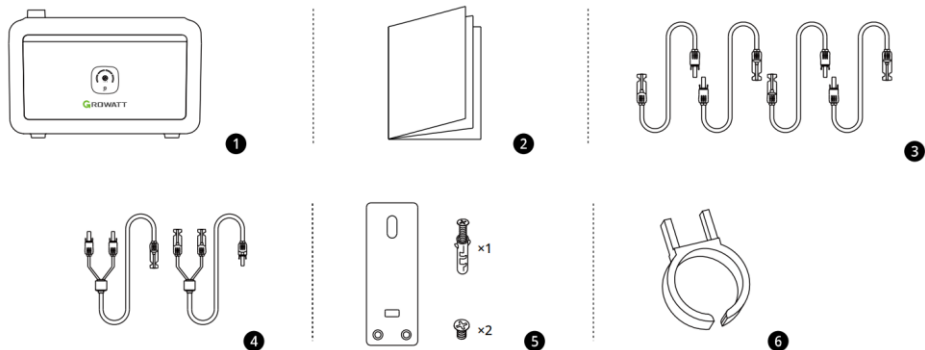
NOAH 2000

Balcony Solar Storage

User Manual
Benutzerhandbuch

V1.3

1. Packing List/ Lieferumfang



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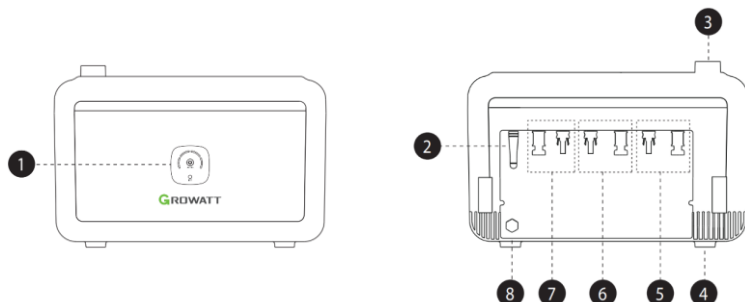
1. NOAH 2000 Balcony Solar Storage
2. User Manual
3. PV Input Extension Cable
4. DC Output Cable
5. Fix-Bracket
6. H4 Withdrawal Tool

DE

1. Balkon-Solarspeicher NOAH 2000
2. Benutzerhandbuch
3. Verlängerungskabel für PV-Eingang
4. DC-Ausgangskabel
5. Halterung
6. H4-Ausziehwerkzeug

2. Product Overview/Produktübersicht

2.1 Product Introduction/ Produkt-Einführung



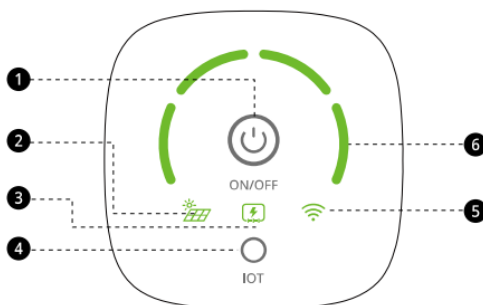
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1. LED Panel
2. Signal Antenna
3. Battery Expansion Port (Female)
4. Battery Expansion Port (Male)
5. PV Input Port 1
6. PV Input Port 2
7. DC Output Port
8. Vent Valve

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1. LED-Bedienfeld
2. Signalantenne
3. Anschluss für Batterieerweiterung (Buchse)
4. Anschluss für Batterieerweiterung (Stecker)
5. PV-Eingangsanschluss 1
6. PV-Eingangsanschluss 2
7. DC-Ausgangsanschluss
8. Entlüftungsventil

2.2 LED Panel/ LED-Panel



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1. Main Power Button
2. Solar Panel Connection Indicator
3. Micro-inverter Operation Indicator
4. IOT Button (WiFi-Bluetooth)
5. IOT Indicator (WiFi-Bluetooth)
6. Battery Level Indicator

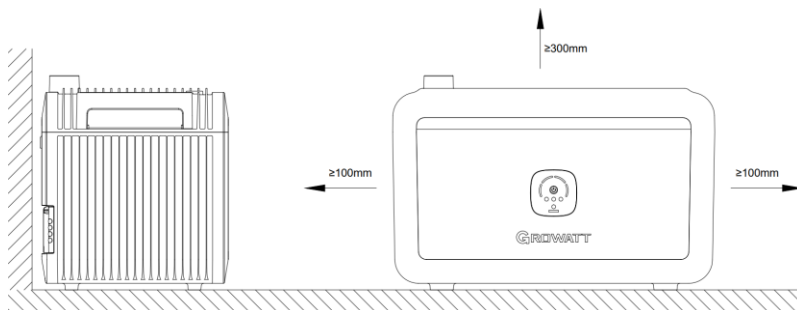
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1. Netzschalter
2. Anschlussanzeige Solarmodul
3. Betriebsanzeige Mikro-Wechselrichter
4. IOT-Taste (WLAN-Bluetooth)
5. IOT-Anzeige (WLAN-Bluetooth)
6. Batteriestandsanzeige

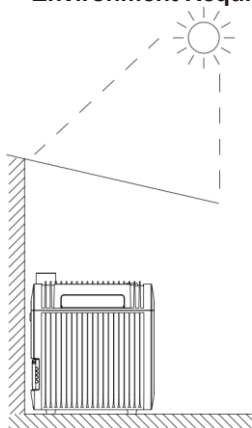
3. Installation Instruction/Installationsanweisung

3.1 Pre-Install Instructions

● Space Required/ Erforderlicher Platz



● Environment Required/ Erforderliche Umgebung



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- Do not place the modules near an area exposed to direct sunlight, fire, or explosive materials.
- Ensure the site is protected from potential hazards such as floods.
- The maximum operating altitude is 4,000 m (13,123 ft).

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- Platzieren Sie die Module nicht in der Nähe von Bereichen, die direkter Sonneneinstrahlung, Feuer oder explosiven Stoffen ausgesetzt sind.
- Stellen Sie sicher, dass der Standort vor potenziellen Gefahren wie Überschwemmungen geschützt ist.
- Die maximale Betriebshöhe beträgt 4.000 m (13.123 Fuß).

● Tools Required/ Erforderliche Werkzeuge



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2



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1. Multifunction Electric Screwdriver (Φ12mm Drill Bit)
2. Hammer
3. Phillips Screwdriver
4. Pencil

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1. Elektrischer Mehrzweckschraubendreher (Φ12mm Bohrer)
2. Hammer
3. Kreuzschlitzschraubendreher
4. Bleistift

3.2 Installation Application/ Installationsszenarien

Application 1: NOAH 2000 (×1) + Solar Panel (×2)/

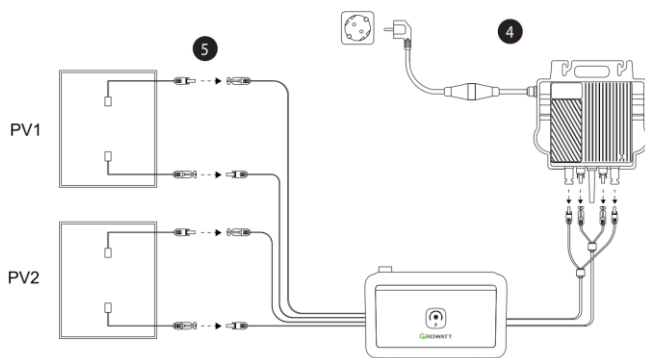
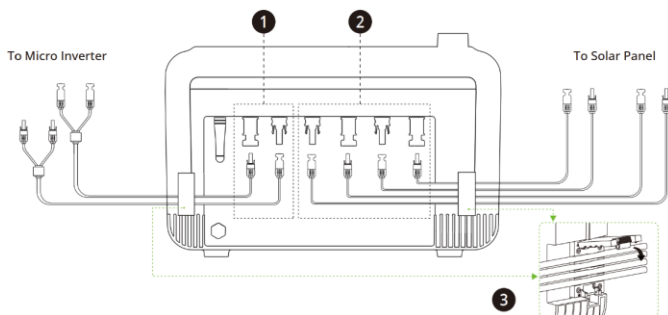
Anwendung 1: NOAH 2000 (×1) + Solarpanel (×2)

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1. Connect DC Output Cable to NOAH 2000.
2. Attach PV Input Extension Cable to NOAH 2000.
3. Secure all cables with Cable Locker.
4. Connect micro-inverter to NOAH 2000, then plug into household socket.
5. Connect solar panels to NOAH 2000.

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1. Schließen Sie das DC-Ausgangskabel an NOAH 2000 an.
2. Verlängerungskabel für PV-Eingang an NOAH 2000 anschließen.
3. Sichern Sie alle Kabel mit einer Kabelsicherung.
4. Mikro-Wechselrichter am NOAH 2000 anschließen und in die Steckdose stecken.
5. Solarmodule an NOAH 2000 anschließen.



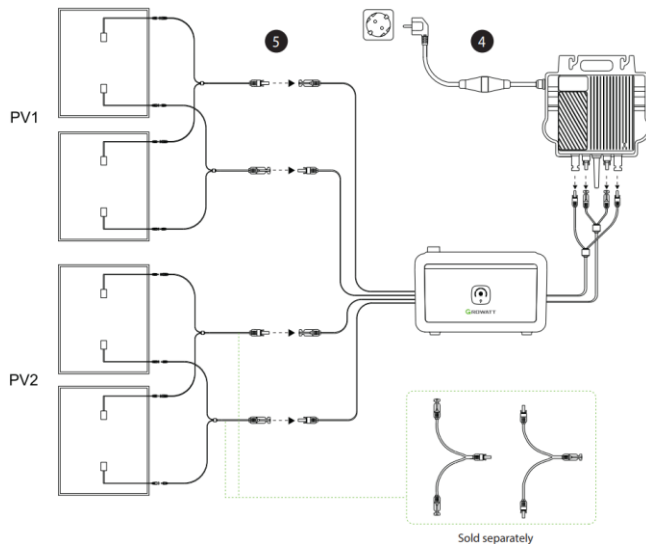
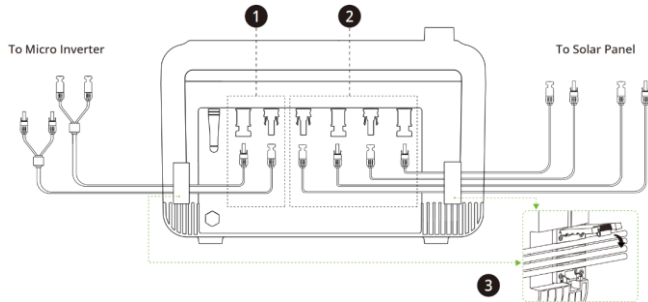
Application 2: NOAH 2000 (×1) + Solar Panel (×4)/ Anwendung 2: NOAH 2000 (×1) + Solarpanel (×4)

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1. Connect DC Output Cable to NOAH 2000.
2. Attach PV Input Extension Cable to NOAH 2000.
3. Secure all cables with Cable Locker.
4. Connect micro-inverter to NOAH 2000, then plug into household socket.
5. Wiring solar panels with Y-Branch Solar Parallel Cable (sold separately), then connect to NOAH 2000.

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1. Schließen Sie das DC-Ausgangskabel an NOAH 2000 an.
2. Verlängerungskabel für PV-Eingang an NOAH 2000 anschließen.
3. Sichern Sie alle Kabel mit einer Kabelsicherung.
4. Schließen Sie den Mikro-Wechselrichter an das NOAH 2000 an und stecken Sie ihn in die Steckdose.
5. Verbinden Sie die Solarmodule mit dem Y-verzweigten Solarparallelkabel (separat erhältlich) und schließen Sie diese an NOAH 2000 an.



Application 3: NOAH 2000 (×2) + Solar Panel (×4) Anwendung 3: NOAH 2000 (×2) + Solarpanel (×4)

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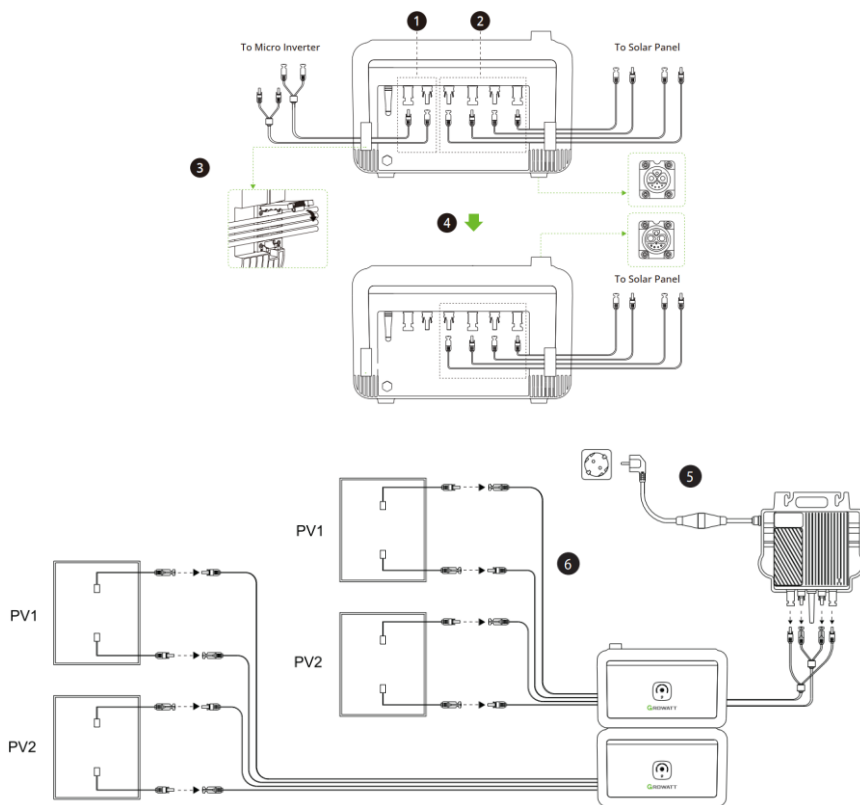
1. Connect DC Output Cable to NOAH 2000.
2. Attach PV Input Extension Cable to NOAH 2000.
3. Secure all cables with Cable Locker.
4. Stack 2 units together.
5. Connect micro-inverter to NOAH 2000, then plug into household socket.
6. Connect solar panels to NOAH 2000.

Note: The energy generated by the solar panels connected to the slave unit cannot meet the requirements of the master unit's photovoltaic maximization function

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1. Schließen Sie das DC-Ausgangskabel an NOAH 2000 an.
2. Verlängerungskabel für PV-Eingang an NOAH 2000 anschließen.
3. Sichern Sie alle Kabel mit einer Kabelsicherung.
4. Die zwei Einheiten übereinander stapeln.
5. Mikro-Wechselrichter am NOAH 2000 anschließen und in die Steckdose einstecken.
6. Schließen Sie die Solarmodule an das NOAH 2000 an.

Hinweis: Die von den am Slave angeschlossenen PV-Modulen erzeugte Energie kann nicht genutzt werden, da der Master bereits seine maximale PV-Leistung erreicht hat



3.3 Other Tips/ Weitere Tipps

Floor-Standing Install / Bodeninstallation

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NOAH 2000 supports stacked installation, with a recommended maximum of 4 units. Fix-bracket can be used to enhance stability as follows:

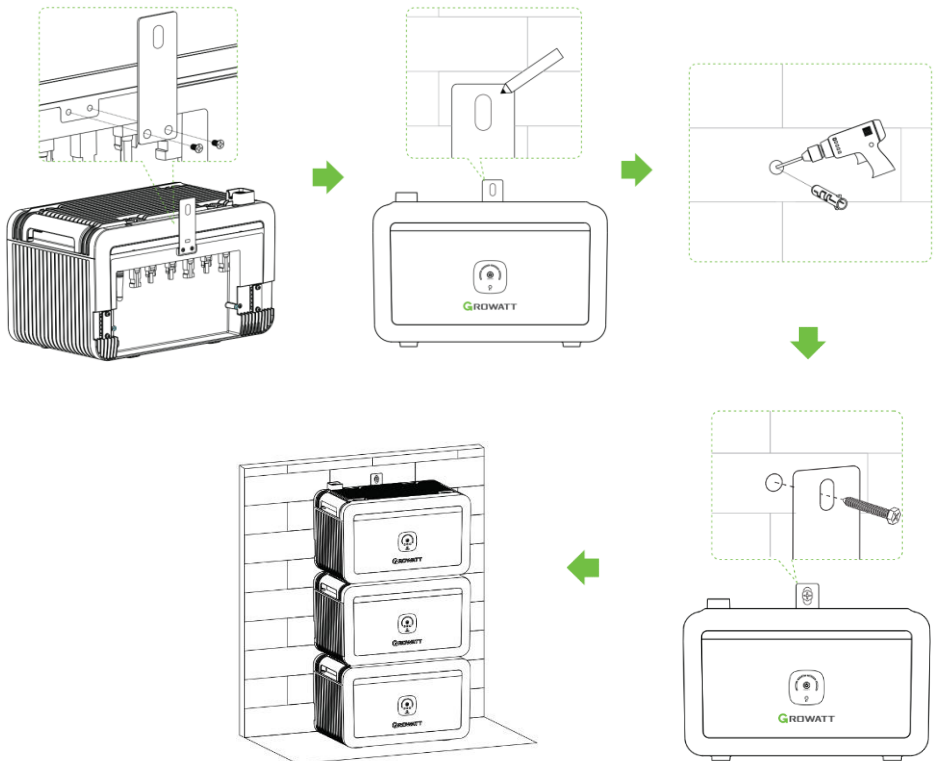
1. Install Fix-Bracket onto NOAH 2000 (Torque 1.5N·m).
2. Mark the wall after positioning NOAH 2000.
3. Drill holes ($\Phi 12 \times 50\text{mm}$) at the marked spots, and insert expansion plugs.
4. Secure NOAH 2000 to the wall (Torque 6.0 N·m).
5. The stacking should appear as shown in the illustration.

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NOAH 2000 unterstützt eine Stapelinstallation, wobei eine maximale Anzahl von 4 Einheiten empfohlen wird.

Zur Erhöhung der Stabilität kann eine Halterung wie folgt verwendet werden:

1. Befestigen Sie die Halterung an NOAH 2000 (Drehmoment 1,5 Nm).
2. Nach der Positionierung von NOAH 2000 die Wand markieren.
3. An den markierten Stellen Löcher ($\Phi 12 \times 50\text{ mm}$) bohren und Spreizdübel einschlagen. Spreizdübel einsetzen.
4. NOAH 2000 an der Wand befestigen (Drehmoment 6.0 Nm).
5. Die Stapelung sollte wie in der Abbildung aussehen.



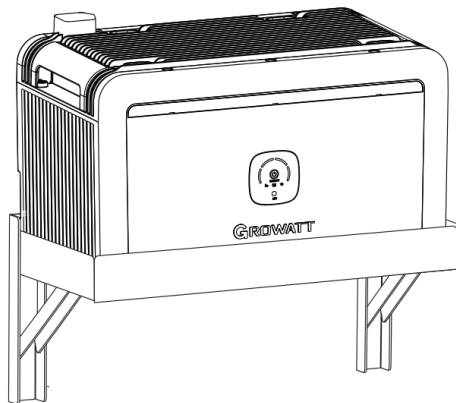
Wall-Hung Install/ Wandmontage

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NOAH 2000 supports Wall-Hung to minimize the use of balcony floor space.

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NOAH 2000 eignet sich für die Wandmontage auf Balkonen, um so wenig Bodenfläche wie nötig zu beanspruchen.

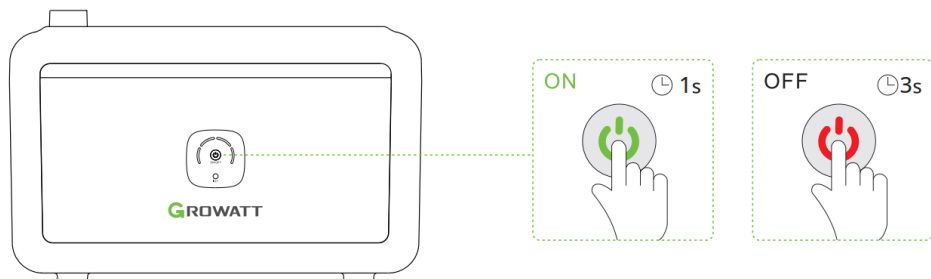


*This accessory Wall-Hung bracket is sold separately./

*Die Wandhalterung ist als Zubehör separat erhältlich.

4. How To Start/ Einstieg

4.1 Power On/Off / Netz Ein/Aus



4.2 Configure Network/ Netzwerkkonfiguration

4.2.1 Download the ShinePhone APP / Laden Sie die ShinePhone-App herunter

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Method 1: Scan the QR code

Method 2: Search for 'ShinePhone' on the Apple Store or Google Play



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Methode 1: Scannen Sie den QR-Code

Methode 2: Suchen Sie im Apple Store oder bei Google Play nach ShinePhone

4.2.2 Create an account and create a power plant / Erstellen Sie ein Konto und erstellen Sie eine Anlage

The Register screen contains the following fields and options:

- Country or region: Select country or region
- Username: Enter username
- Password: Enter password
- Repeat password: Repeat password
- Phone number: please enter the phone number
- Email: Enter email
- Verification code: Verification code (with Send verification code button)
- Installer code: Input installer code (with Check button)
- Electrician Code: Please enter electrician code (with Check button)
- Agreement: I have read and agree Shine Smart Services User Agreement, Shine Smart Services Privacy Policy (with checkbox)
- Register button

The Add Plant screen contains the following fields and options:

- Plant name: Enter the Plant name
- Installation date: Select the installation date
- Plant address: Out from the map, Automatic, Manual
- China: City (dropdown)
- Please enter the full address
- Longitude: Latitude (dropdowns)
- Time Zone: +8 (dropdown)
- PV capacity(W): PV capacity
- Plant type: Residential plant, Commercial Plant, Ground-mounted plants
- Temperature Unit: Celsius(°C), Fahrenheit(°F)
- (Conversion is based on 1 kWh power generation)
- Selling price: RMB (dropdown)
- PV Plant picture: Choose the picture to upload (+)
- Yes button

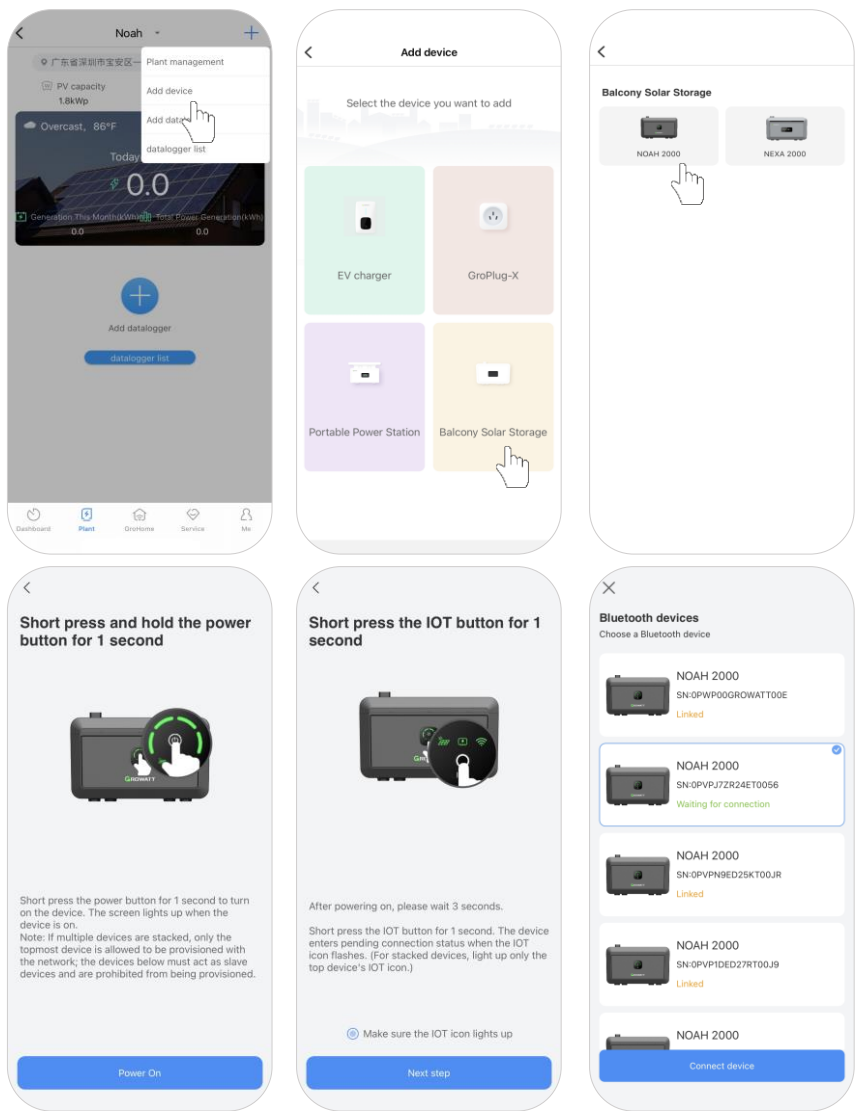
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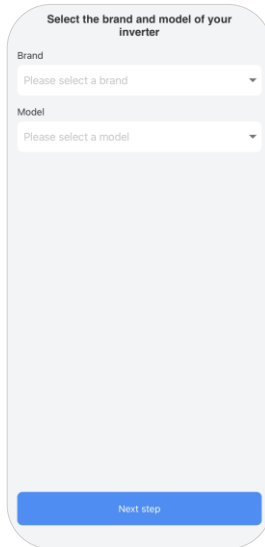
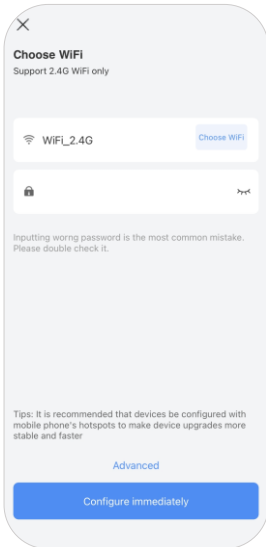
Installer code: GWATT

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Installateurcode: GWATT

4.2.3 Connect Noah 2000 to the network/ Verbinden Sie Noah 2000 mit dem Netz





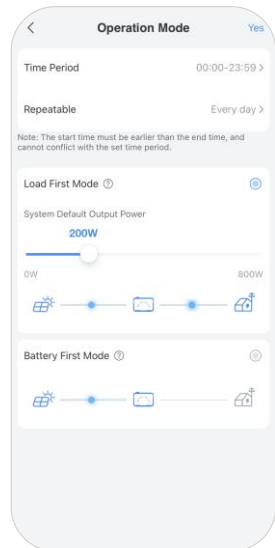
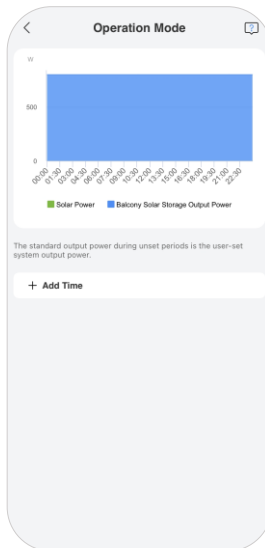
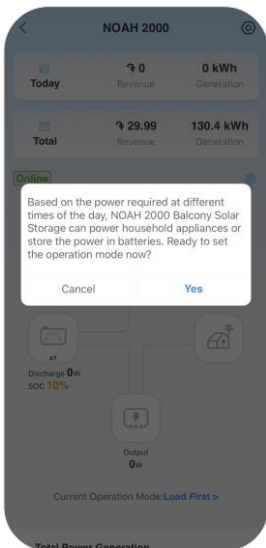
4.2.4 Set Operation Mode / Auswahl des Betriebsmodus

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Click "Add time", add a time period, and select a work mode for that time period.

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Klicken Sie auf „Zeiteingabe“, geben Sie einen Zeitraum an und wählen Sie einen zugehörigen



5. Safety and Specifications

5.1 Disclaimer

Please read the document carefully before you use the product to ensure that you completely understand the product and can correctly use it. After reading, please keep the document properly for future reference. If you use this product incorrectly, you risk significant injury to yourself or others, as well as product damage and property loss. Once you use this product, you are deemed to have understood, approved, and accepted all the terms and content of this document. Users promise to be responsible for their actions and all consequences arising therefrom. Growatt is not responsible for any damage caused by using the product not in accordance with the document.

Subject to the laws and regulations, the company reserves the right of final interpretation of this document and all related documents of this product. Please visit Growatt's website for the latest product information. Updated, revised, or terminated without notice.

5.2 Safety / Disposal Guidelines



◆ Safety Guidelines

1. Do not place this product in high temperature environments or in fire.
2. Avoid exposing it to moisture or submerging it in liquids.
3. Do not use near strong electrostatic or magnetic fields. Such conditions may disable some protective features of the product, leading to severe malfunctions.
4. Do not disassemble this product. Consult official channels for service or repair. Improper disassembly or reassembly may pose a risk of fire or personal injury.
5. When using this product, adhere strictly to the operational temperature range specified in the user manual. Excessive temperatures may cause fire or explosion; low temperatures can significantly reduce performance or cause the product to fail and cease functioning.
6. Do not place the product in unventilated areas during use.
7. Avoid causing a short circuit in the product with wires or other metal objects.
8. Ensure the product is not subjected to impact, drops, or severe vibration. Secure it during transport to prevent damage. If severely damaged, immediately turn off the power and cease using the product.
9. If the product accidentally falls into water, place it in a safe, open area and stay away from it until it is completely dry. Do not reuse a dried product; dispose of it properly as per the instructions in this document.
10. Growatt is not responsible for accidents or malfunctions caused by parts not provided by Growatt.
11. Clean the product only with a dry cloth.
12. Place it on a flat surface to prevent it from falling. If it topples over and is severely damaged, immediately turn it off; place the battery in an open area, away from people and flammable materials, and dispose of it in accordance with local laws and regulations.
13. Keep out of reach of children and pets.
14. Electromagnetic fields inevitably generated during the use of power products may affect the normal functioning of implanted medical devices or personal medical devices, such as pacemakers, implanted cochlear implants, hearing aids, defibrillators, etc. If you use such medical devices, consult their manufacturers for restrictions on using related equipment to ensure a safe distance is maintained between the product and implanted medical devices (like pacemakers, cochlear implants, hearing aids, defibrillators, etc.) during operation.

◆ Disposal Guide

1. Be sure to completely discharge the machine battery before placing the machine battery in the proper disposal location as per local rules and regulations. Batteries are hazardous chemicals and should not be disposed of in ordinary trash cans. Follow local laws and regulations for battery recycling and disposal.
2. If the product itself fails and the battery cannot be fully discharged, please do not dispose of the battery directly in the battery recycling box. Contact a professional battery recycling company for further processing.
3. Please dispose of overcharged batteries.

◆ EU Declaration of Conformity

With the scope of EU directives:

- 2014/53/EU Radio Equipment Compatibility EC Council Directive (RED)
- 2014/35/EU Low Voltage Directive (LVD)
- 2014/30/EU Electromagnetic Compatibility Directive (EMC)
- 2011/65/EU RoHS Directive and its amendment Directive 2015/863/EU
- REACH Substances of Very High Concern(SVHC) for authorization published by European Chemicals Agency(ECHA) on-(EC) No 1907/2006 concerning the REACH EU Directive.

The Entire EU Declaration of Conformity can be found at:

<https://en.growatt.com/products/noah-2000-dc-coupled-storage>

Shenzhen Growatt Power Technology Co., Ltd confirms that the Growatt Portable Power Station and accessories described in this document are in compliance with the above mentioned.

*Only the English Disclaimer & Safety Instruction is displayed here. Pleasan the QR code on the back to obtain the content in other languages

5.3 Specifications

Basic Information	
Net Weight	≈21kg
Dimensions (L*W*H)	406×235×270mm
Wi-Fi	Supported
Wi-Fi Working Frequency	2400-2483.5MHz.
Max. Wi-Fi Output Power	20.5 dBm.
Wi-Fi Transmit Bandwidth	20/40MHz.
Bluetooth	Supported
LED Display	Supported
Ingress Protection	IP66
Input	
PV Input 1	16-60V $\overline{=}$, 26A, 900W MAX
PV Input 2	16-60V $\overline{=}$, 26A, 900W MAX
Total Input	1800W MAX
Output	
DC Output	40-50V $\overline{=}$, 20A, 800W MAX
Battery	
Capacity	51.2V*40Ah (2048Wh)
Battery Type	LFP (Lithium Iron Phosphate)
Protection Types	High-Temperature Protection, Low-Temperature Protection, Over-Discharge Protection, Over-Charge Protection, Overload Protection, Short Circuit Protection, Over-Current Protection
Operating Environment Temperature	
Work Temperature	-30~55°C/-22~131°F

6.Warranty/Garantie

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Enjoy 10 Years Warranty

We back this product with a 10-year warranty to ensure you have an excellent product experience with peace of mind.

For more warranty policies, please refer to our websites.

To claim your warranty, you need to provide the sales receipt from the first consumer purchase. Please keep the receipt in a proper and safe place.

Contact us E-Mail: service@growatt.com

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Genießen Sie 10 Jahre Garantie

Wir gewähren auf dieses Produkt 10 Jahre Garantie, damit Sie sich rundum wohlfühlen und ein hervorragendes Produkterlebnis genießen können.

Weitere Garantiebedingungen finden Sie auf unseren Websites.

Um Ihre Garantie in Anspruch zu nehmen, benötigen Sie den Kaufbeleg vom ersten Kauf. Bitte bewahren Sie den Beleg an einem sicheren Ort auf.

Anschriften Email: service.de@growatt.com





Scan the QR code to access the e-manual and view more product information and features.