

# **EnerX 3000**

# Portable Energy Storage System

**User Manual** 



# Table Of Contents

ABOUT THIS MANUAL	1
Purpose	1
Scope	1
SAFETY INSTRUCTIONS	1
INTRODUCTION	2
Basic System Architecture	2
PRODUCT OVERVIEW	3
Main Unit	3
External Battery Module (Purchased separately)	5
INSTALLATION	6
Package Contents	6
Preparation	6
Internal Battery Connection	7
AC Input Connection	7
PV Connection	8
AC Output Connection	
USB Charger	
Parallel Function	11
OPERATION	15
Power ON/OFF	15
Operation and Display Panel	15
Pages Information	16
Configurations	17
Wi-Fi Connection	18
Prioritizing Energies Scenarios	18
CLEARANCE AND MAINTENANCE FOR ANTI-DUST KIT	22
Overview	22
Clearance and Maintenance	22
SPECIFICATIONS	23
TROUBLE SHOOTING	24
Appendix I: The Wi-Fi Operation Guide	26

#### ABOUT THIS MANUAL

Purpose

This manual describes the assembly, installation, operation and troubleshooting of this unit. Please

read this manual carefully before installations and operations. Keep this manual for future reference. Scope

This manual provides safety and installation guidelines as well as information on tools and wiring.

# SAFETY INSTRUCTIONS



# WARNING: This chapter contains important safety and operating instructions. Read and keep this manual for future reference.

- 1. Before using the unit, read all instructions and cautionary markings on the unit, the batteries and all appropriate sections of this manual.
- 2. Do not disassemble the unit. Take it to a qualified service center when service or repair is required. Incorrect re-assembly may result in a risk of electric shock or fire.
- 3. To reduce risk of electric shock, disconnect all wirings before attempting any maintenance or cleaning. Turning off the unit will not reduce this risk.
- 4. **CAUTION** Only qualified personnel can install this device with battery.
- 5. NEVER cause AC output and DC input short circuited. Do NOT connect to the mains when DC input short circuits.
- 6. **Warning!!** Only qualified service persons are able to service this device. If errors still persist after following troubleshooting table, please send this inverter/charger back to local dealer or service center for maintenance.
- 7. WARNING: Because this inverter is non-isolated, only three types of PV modules are acceptable: single crystalline, poly crystalline with class A-rated and CIGS modules. To avoid any malfunction, do not connect any PV modules with possible current leakage to the inverter. For example, grounded PV modules will cause current leakage to the inverter. When using CIGS modules, please be sure NO grounding.
- 8. **CAUTION:** It's requested to use PV junction box with surge protection. Otherwise, it will cause damage on inverter when lightning occurs on PV modules.

# INTRODUCTION

This is a portable energy storage system for home and adventure. The power stations have a battery, inverter and smart charging technology all built into a neat plug and play unit. Plug and Play off-grid system provides multiple charging options, giving you the flexibility to charge from AC (wall outlet or generator) and solar panel. All units are provided multiple power sockets and USB charger ports, allowing to power your diverse electronic devices.

# **Basic System Architecture**

The following illustration shows basic application for this inverter/charger. It also includes following devices to have a complete running system:

- 1. Generator or Utility.
- 2. PV modules

Consult with your system integrator for other possible system architectures depending on your requirements.

This inverter can power all kinds of appliances in home or office environment, including motor-type appliances such as tube light, fan, refrigerator and air conditioner.

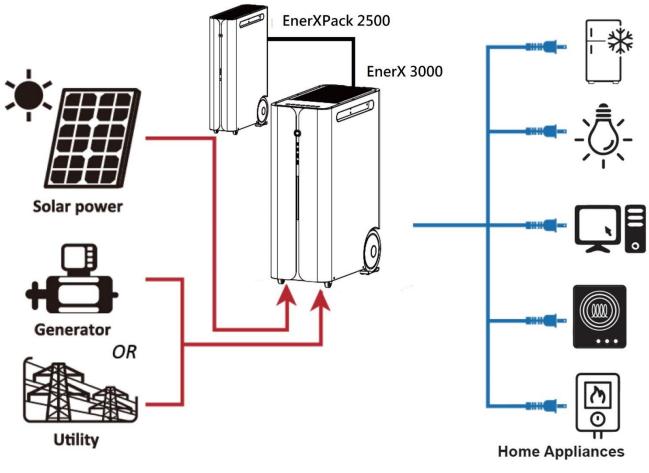
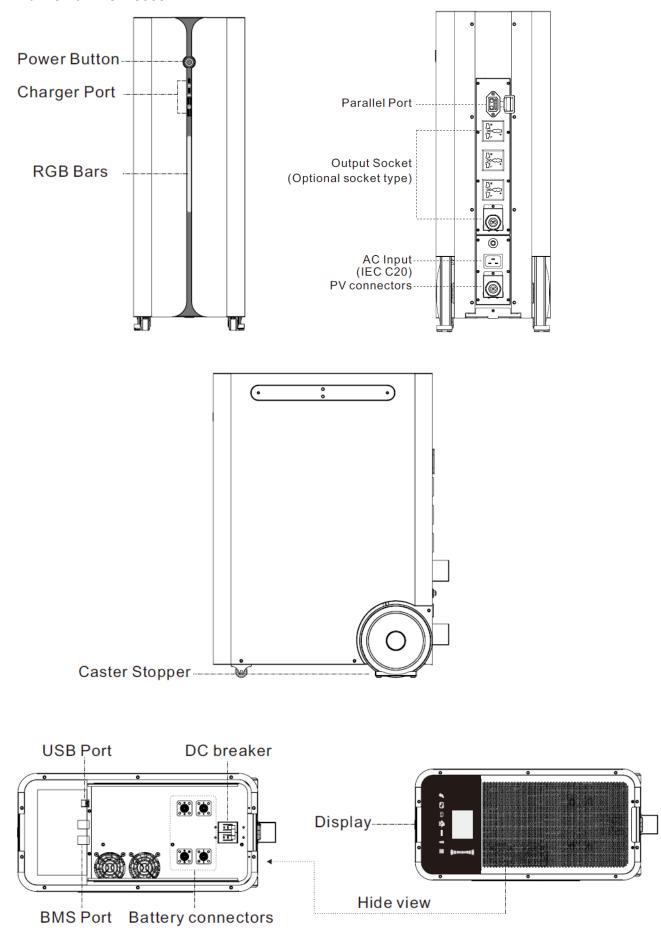
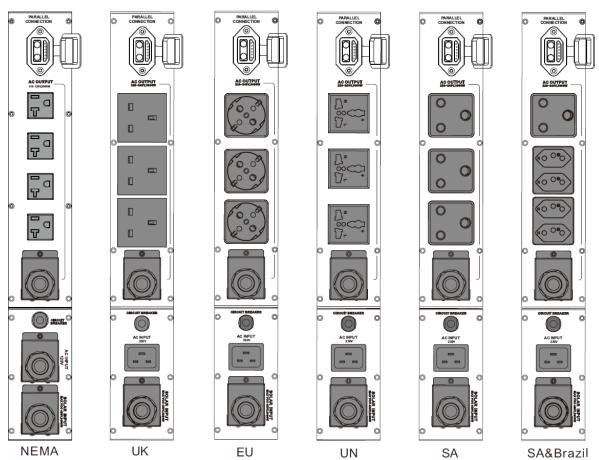


Figure 1 Energy Storage System

PRODUCT OVERVIEW Main Unit - EnerX 3000



# **Optional receptacles**

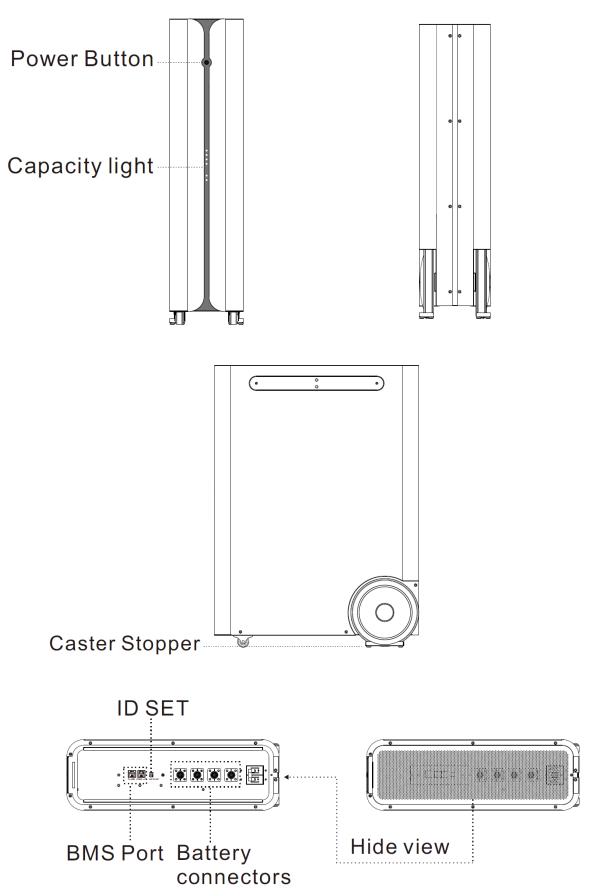


SA

SA&Brazil

NEMA

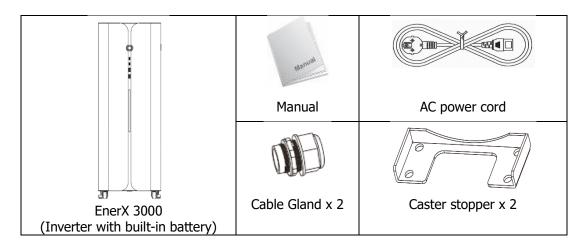
4



# INSTALLATION

# Package Contents

Before installation, please inspect the content. Be sure that nothing inside the package is damaged. You should have received the following items inside the package:

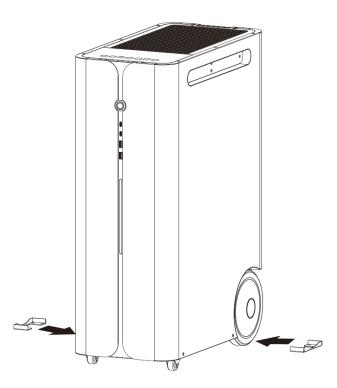


#### Optional kit:

ODE ODE	AND A DEC	
PV connector	PV connector with cable	Parallel Cable

## Preparation

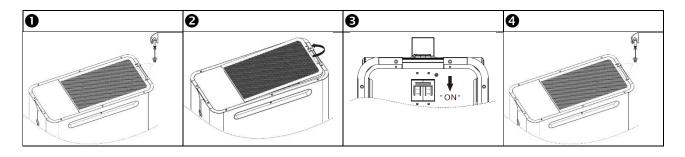
Before operation, it's recommended to install the caster stoppers to enhance the stability.



# Internal Battery Connection

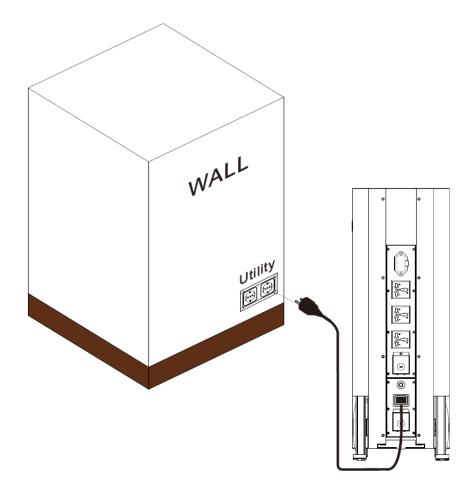
For safety concern, the internal battery is disconnected from the internal DC breaker before shipment.

Before installation, please remove two screws from the top panel and turn on the internal DC breaker. Then, fix those screws firmly.



# AC Input Connection

Connect the AC power cord to the IEC Inlet and then plug it into utility.



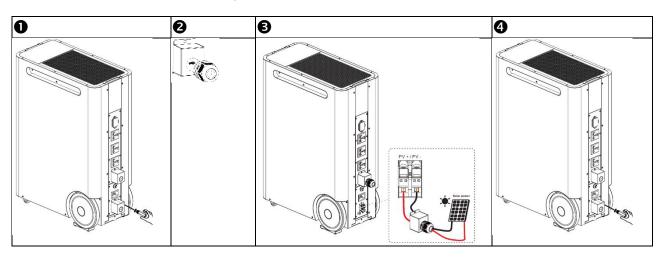
# **PV** Connection

There are two methods to connect PV panels.

- 1. Connect directly on the terminal block.
- 2. Using a pluggable connector.

## **Direct Terminal Connection**

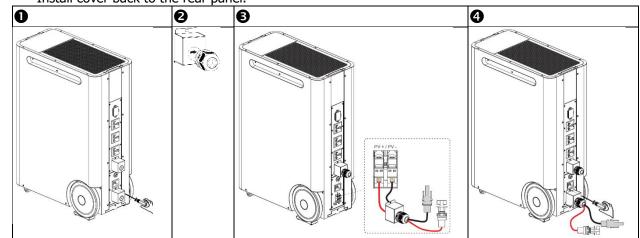
- 1. Take off the PV connector cover by removing screws as shown below.
- 2. Install the cable gland to connector cover.
- 3. Fixing the PV cables on the terminal.
- 4. Install cover back to the rear panel.



## **Pluggable Connector Connection**

Please follow below steps to implement PV module connection:

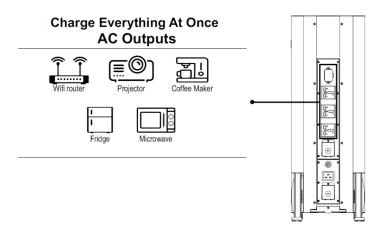
- 1. Take off the PV connector cover by removing screws as shown below.
- 2. Install the cable gland.
- 3. Check correct polarity of wire connection from PV modules and PV input terminals. Connect positive pole (+) of connection wire to positive pole (+) of PV input terminal. Connect negative pole (-) of connection wire to negative pole (-) of PV input terminal.
- 4. Install cover back to the rear panel.



# AC Output Connection

**CAUTION:** If signal unit operation, please close the cover of parallel socket to reduce risk of electric shock. Plug AC power cord on the AC output socket.

Output powered when the main switch on the front panel pressed for 3 sec.

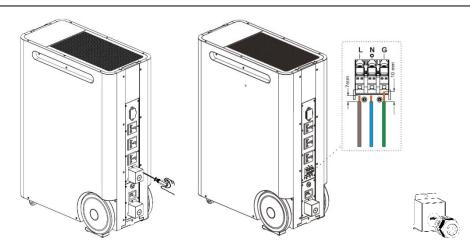


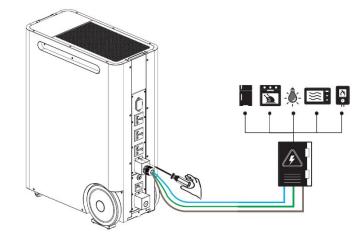
In case the load rating higher than the socket could support (>13Amp), please connect the power cable on the AC output terminal block. Before doing that, please be sure the unit is "OFF" completely.

- 1. Remove insulation sleeve 10mm for three conductors. And shorten phase L and neutral conductor N 3 mm.
- 2. Insert AC output wires according to polarities indicated on terminal block and tighten the terminal screws. Be sure to connect PE protective conductor (**G**) first.
- 3. Make sure the wires are securely connected and then knock terminal cover to install cable gland.
- 4. Insert the terminal cable to cable gland, and install cover box on rear panel.

## **CAUTION: Important**

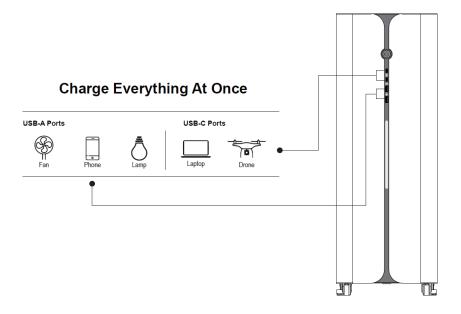
Please install the terminal cover firmly to reduce risk of electric shock





# **USB** Charger

Use USB output cable (not provided) to charge your electronic devices. USB charger port could be turned on/off through the LCD operation.



Parallel Function

# 1. Introduction

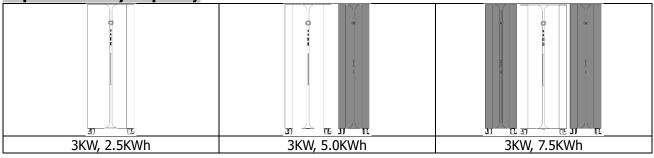
This portable energy bank can be operated in parallel with 2 units. The supported maximum capacity is 6KW. If longer backup time is required, this unit can be connected with more battery modules up to 2 units.

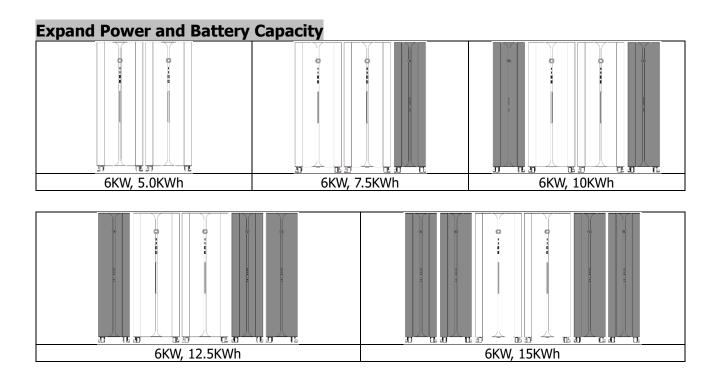
**CAUTION:** Parallel feature will be disabled when only PV power is available.

# 2. System Configuration

There are several configurations available as shown below. **Note:** The gray unit in the picture is the external battery module.

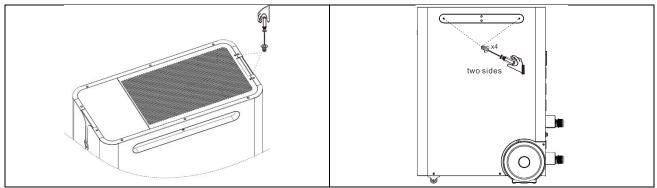
# **Expand Battery Capacity**





# 3. Preparation

Before connecting all wires, be sure to take off top panel and wire cover by removing six screws. Refer to below chart for the details.

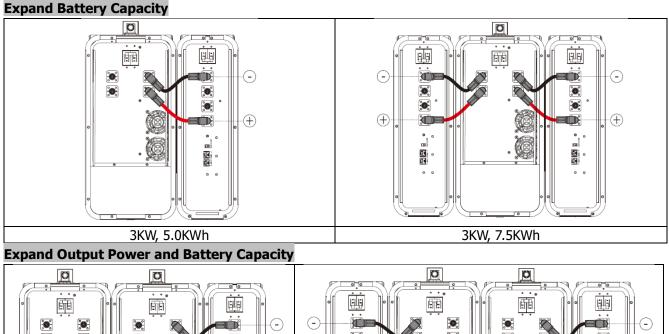


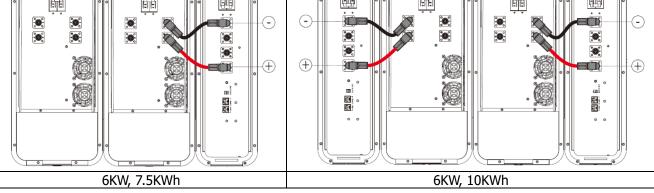
# 4. External Battery Connection

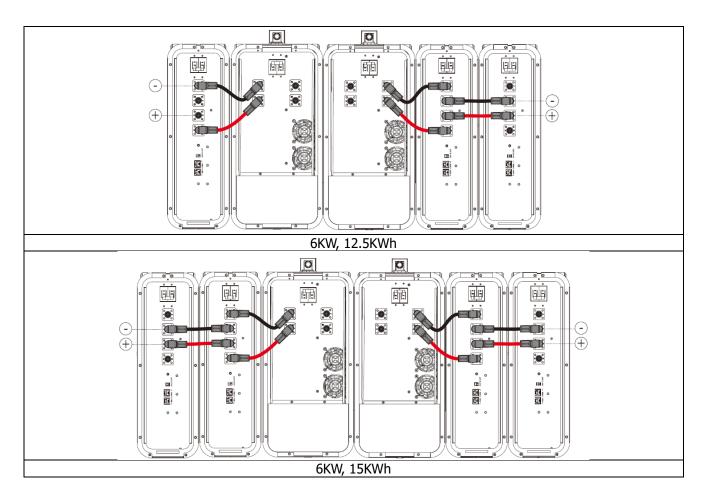
If longer backup time is required, it's necessary to connect external battery modules. Maximum connection number is two.

**CAUTION:** Before connecting to battery modules, please **disconnect** the DC breaker located on the top of the unit.

**Step 1:** Follow the polarity near the battery terminal to connect battery terminals with two battery cables supplied in external battery module! Simply plug battery cable to battery terminals on EnerX 3000 module and EnerXPack 2500 external battery module as shown below charts.



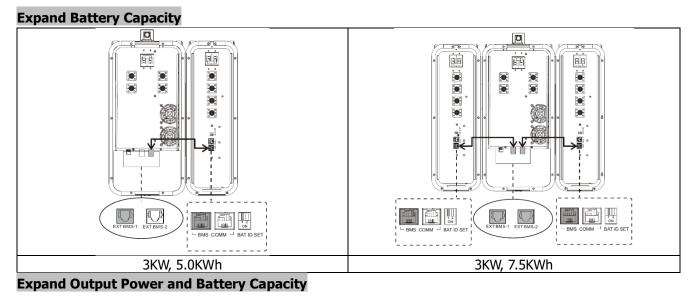


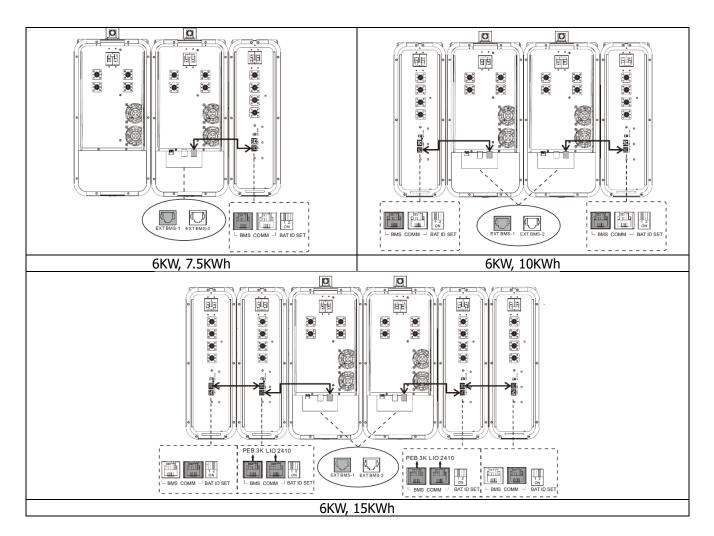


**NOTICE:** It's not applied for common battery when expanding the output power with 2 units. External battery module only connects to its integrated main unit.

**Step 2:** Connect extension port on the battery modules with RJ11 cables (supplied in the external battery module). After wiring installation is complete, set up ID for each battery module. The ID code for each battery module MUST be unique. Not the same number for 2 battery modules in parallel system. Refer below chart for the details.

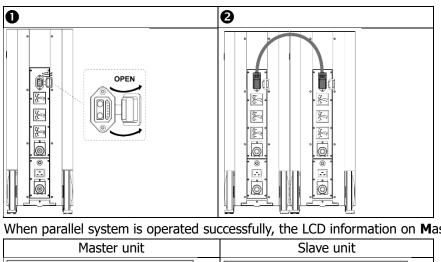
**NOTE:** ID Switch indicates the unique ID code for each battery module. It's required to assign a unique ID to each battery module for normal operation. From number 0 to 1, the number can be random; no particular order. Maximum 2 battery modules can be operated in parallel.



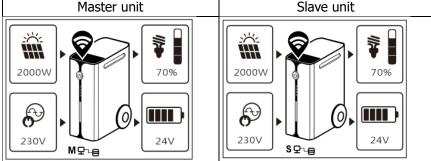


#### **AC Output Connection** 5.

Open the parallel port cover and use one parallel cable (purchased separately) to connect the parallel ports on the two main unit. Once paralleled units are powered on, you can plug devices on either Master or Slave unit.



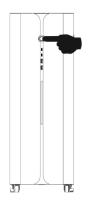
When parallel system is operated successfully, the LCD information on Master and Slave will present.



# OPERATION

The unit is equipped with rechargeable Lithium battery. Be sure to charge the battery at least more than 12 hours before initial use. To accurate the calculation of battery capacity, it's recommended to have fully charged and discharged for 1~2 times. For long-term storage, it's necessary to fully charge the battery, disconnect the internal DC breaker and store it in a cool, dry place.

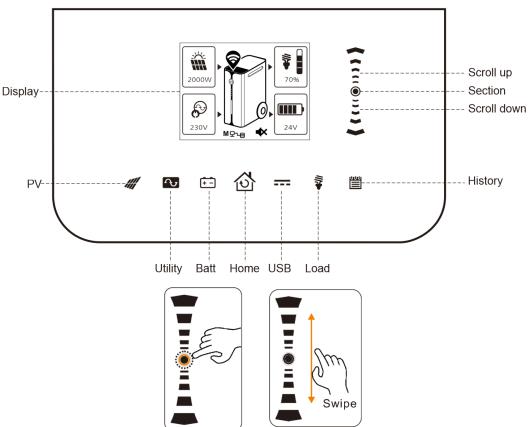
Power ON/OFF



Once the unit has been properly installed and the batteries are connected well, simply press and hold the power button for 2-3 seconds until one beep is heard, then release the power button. The unit will be turned on.

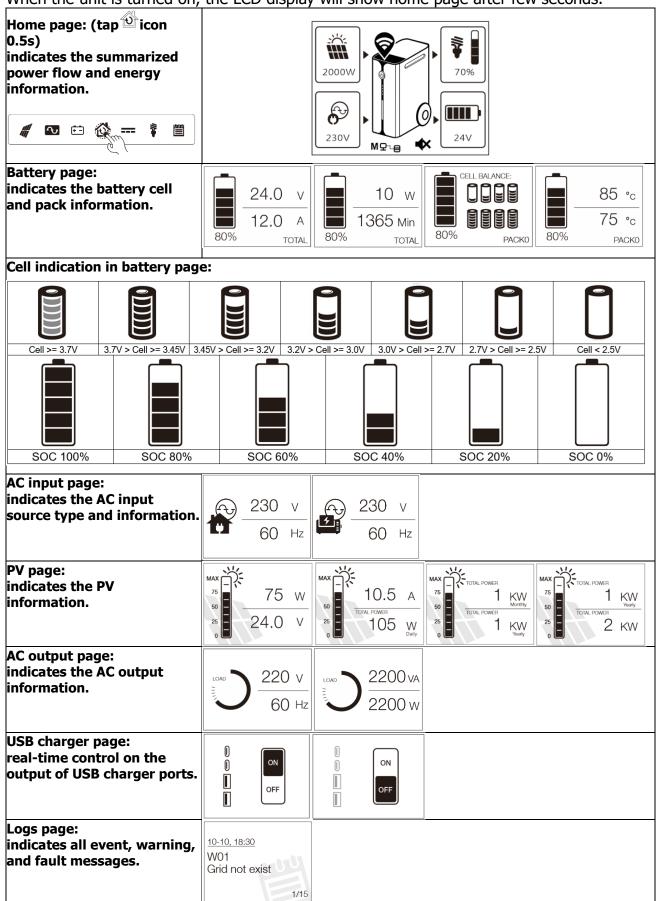
# **Operation and Display Panel**

The operation and display panel, shown in below chart, is located on the top of the unit. It includes sevenpage colorful LCD display, scrollbar and graphic touch pads, indicating the operating status and input/output power information.

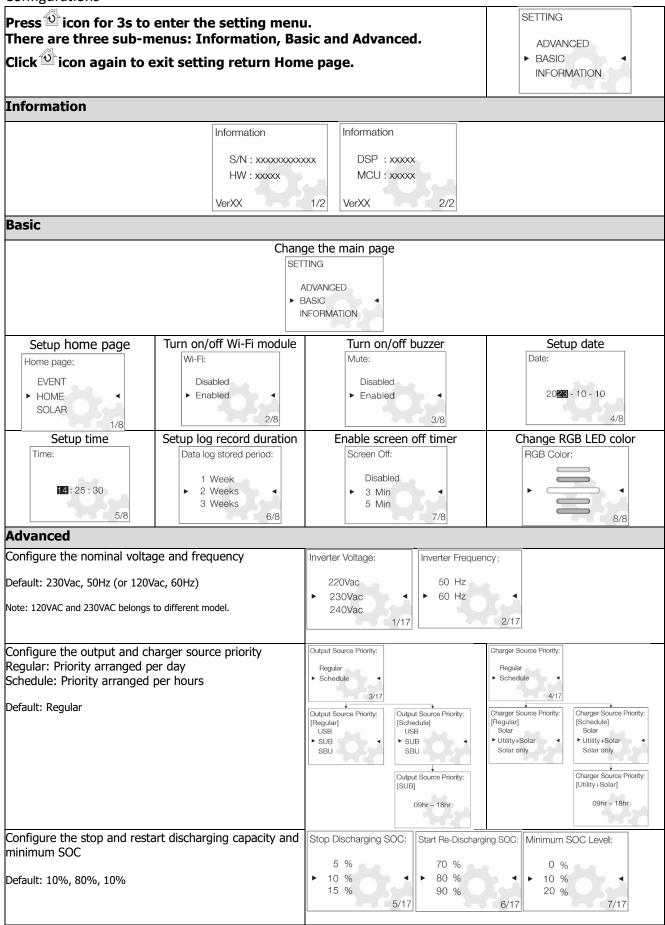


Pages Information

When the unit is turned on, the LCD display will show home page after few seconds.



# Configurations

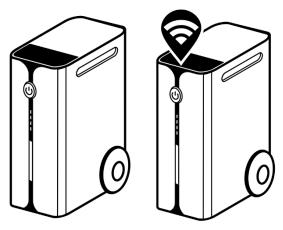


Configure the maximum charging current and limitation while charging from Utility	Charging Speed: Utility Charging Speed:
	Super charge,100A Trickle, 10A
Default: 50A, 30A	► Fast, 50A    ► Normal, 30A
	Normal, 30A Fast, 50A 8/17 9/17
	3/17
Configure the limitation of discharging current	Max. Discharging
	Current:
Default: Disabled (means no limited)	Disabled
**Parallel application will disable the discharging limitation	► 30 A
	40 A
	10/17
Configure the compatibility of AC input source	AC Input Source:
Default: Utility	Utility
	► Generator ◄
	11/17
Configure fault or overload behaviors	Fault Auto-restart: Overload Bypass:
Defeute Dischlad Dischlad	
Default: Disabled, Disabled	Disabled Disabled
	► Enabled    ► Enabled    ◄
	12/17 13/17
Specific critical operations	Erase all data log: Reset to default: Firmware Upgrade: Export Logs:
(Password 4743 is necessary)	Password Password Password
1. Reset to factory setting	10000 10000 10000 10000 10000
2. Erase all logs	15/17 16/17 17/17
3. Export all logs	Erase all data log: Reset to default: Firmware Upgrade: Export Logs:
4. Firmware upgrade	Reset Disabled YES YES   ▶ Not reset ▲ ▶ Enabled ▲ ▶ NO ▲
	Invalid password, try again
	Erase all data log: Reset to default: Firmware Upgrade: Export Logs:
	Invalid! Invalid! Invalid! Invalid!
	0000 0000 0000

# Wi-Fi Connection

This unit is equipped with a Wi-Fi transmitter. Wi-Fi transmitter can enable wireless communication between portable energy storage system and monitoring platform. Users can access and control the monitored portable energy storage system with downloaded APP. Once Wi-Fi connection successfully, the Wi-Fi icon will be showed on the LCD.

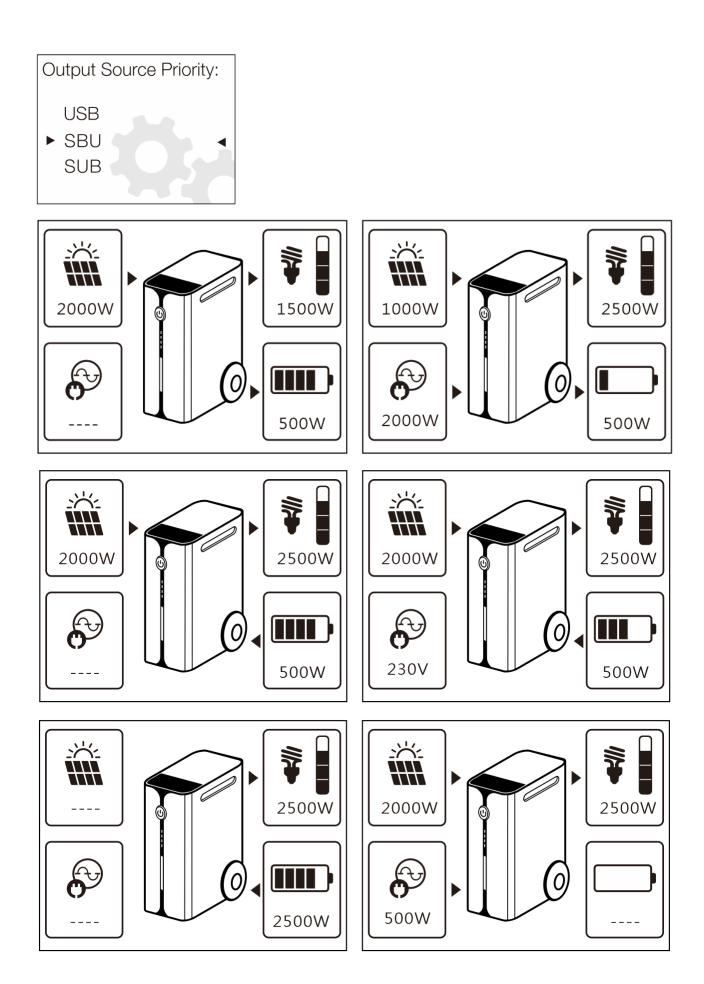
For quick installation and operation, please refer to Appendix I - The Wi-Fi Operation Guide for details.



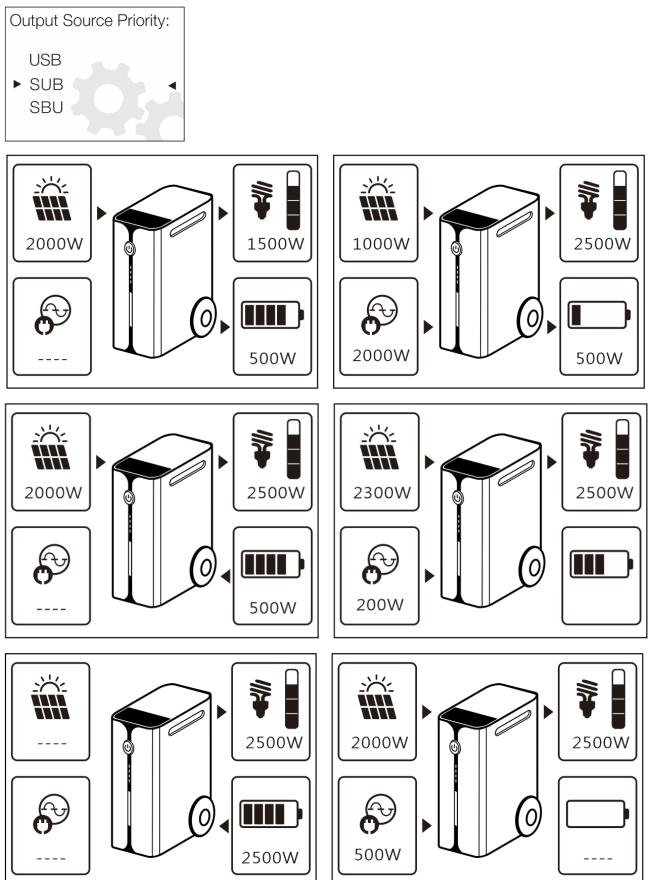
# **Prioritizing Energies Scenarios**

(Noted: following demonstrations do not include and calculate the real conversion efficiency of the unit.)

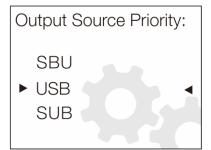
1. Load supplied from Solar firstly then Battery and Utility

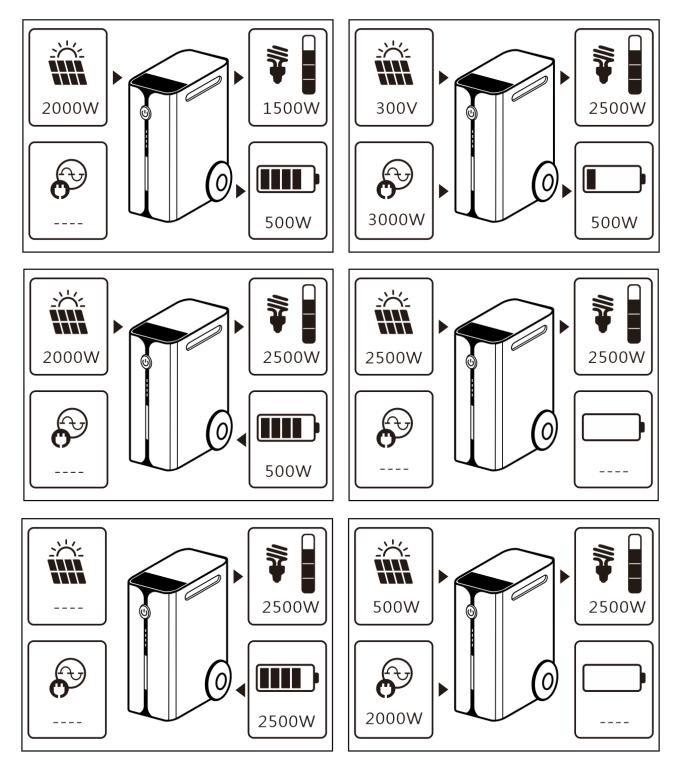


2. Load supplied from Solar firstly then Utility and Battery



3. Load supplied from Utility firstly then Solar and Battery





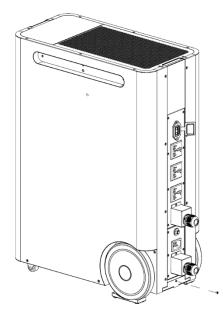
# CLEARANCE AND MAINTENANCE FOR ANTI-DUST KIT

### Overview

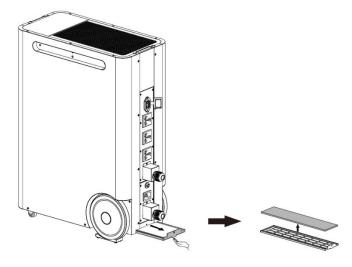
Every unit is already installed with anti-dusk kit from factory. This kit keeps dusk from your unit and increases product reliability in harsh environment.

# Clearance and Maintenance

Step 1: Please loosen the screw on the rear-panel bottom side of the unit.



Step 2: Then, dustproof case can be pulled out and take out air filter foam as shown in below chart.



Step 3: Clean air filter foam and dustproof case. After clearance, re-assemble the dust kit back to the unit.

**NOTICE:** Regular cleaning for the filter per 3 months is recommended.

Rated Inverter Power	3000VA / 3000W
INPUT	5000VA7 5000W
Voltage	100VAC/110VAC/120VAC or 220VAC/230 VAC/240VAC
Selectable Voltage Range	60VAC ~ 140VAC or 90VAC ~ 280VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)
Max. Current and Protection	20A, Circuit breaker build-in
AC Voltage Regulation (Batt. Mode)	100VAC/110VAC/120VAC or 220VAC/230VAC/240VAC ± 5%
Surge Power	6000VA
Efficiency (Peak)	93%
Transfer Time	15ms ~ 20ms
Waveform	Pure Sine Wave
USB CHARGER	
	Turne $\Lambda \times 2$ Turne $C \times 2$ (comply with PD 2.0)
DC Output ports	Type A $*$ 2, Type C $*$ 2 (comply with PD 3.0)
USB-A	18W * 2 (5V/3A,9V/2A)
USB-C	65W * 2 (5V/3A,9V/2A,20V/3.25A)
SOLAR & AC CHARGER	MDDT
Solar Charger type	MPPT
Maximum PV Power	3000W
MPPT Range @ Operating Voltage	60VDC ~ 400VDC
Maximum PV Open Circuit Voltage	450VDC
Maximum Charge Current	100A
BATTERY MODULE	100A
Capacity	2560Wh
Nominal Voltage	25.6 VDC
Full Charge Voltage	28.2 VDC
Full Discharge Voltage	22.0 VDC
Max. Discharging Current	200A
Protection	BMS, Breaker
Inner Resistance	≤0.6 mohm
Lifecycle	≥3500 cycles, 0.5C charging/discharging ≥80% @EOL 100% DoD
INTERFACE	
Function Keys	Touch PAD
Display	True Color LCD + RGB LED
Communication	Wi-Fi
PHYSICAL	
Dimension, D X W X H (mm)	450 x 600 x 222
Net Weight (kgs)	42
STANDARD	
Compliance Safety	IEC/EN 62109-1/-2, EN 61000-6-4, EN-61000-6-2 IEC 62619, UN38.3

# TROUBLE SHOOTING

# Warning and Fault List

Code Type	Code #	Event	Code Type	Code #	Event	
Fault	F01	Fan fault	Fault	F15	Bus start fault	
Fault	F02	High PV-volt	Fault	F16	Inv start fault	
Fault	F03	High bat-volt Fault		F17	High dc offset	
Fault	F04	Low bat-volt	Fault	F18	Over-load	
Fault	F05	Output S.C.	Fault	F19	Amp sense fault	
Fault	F06	High op-volt	Fault	F20	Backfeed fault	
Fault	F07	Low op-volt	Fault	F21	Firmware fault	
Fault	F08	High bus-volt	Fault	F22	Par-CAN fault	
Fault	F09	Low bus-volt	Fault	F23	Par-host fault	
Fault	F10	High PV-amp	Fault	F24	Par-sync fault	
Fault	F11	High inv-amp	Fault	F25	Par-bat fault	
Fault	F12	High bus-amp	Fault	F26	Par-grid fault	
Fault	F13	High disc-amp	Fault	F27	Par-opa fault	
Fault	F14	Over temp.	Fault	F28	Par-set fault	
Warning	W01	Grid not exist	Warning	W07	Heavy load	
Warning	W02	PV not exist	Warning	W08	Temp issue	
Warning	W03	Pack not exist	Warning	W09	Fan issue	
Warning	W04	Weak SoC	Warning	W10	BMS lost	
Warning	W05	Weak PV-volt	Warning	W11	Comm. Lost	
Warning	W06	Power de-rate	Warning	W12	Par limited	

Phenomenon and/or Possible cause	What to do
No response while press the main switch.	
No Utility power and PV is applied.	Check whether the DC breaker tripped or has not yet turned on?
	If problem exist still, please contact the service center to repair it.
No response while pressing the main switch.	
Utility power or PV power exists.	Check whether the AC breaker tripped? Or PV voltage reaches to the operation level? If problem exist still, please contact the service center to repair it.
Output turned off, Buzzer beeps continuously, R	RED LED solid on
F01 shows. Fans abnormal stopped during startup sequence	Please contact service center to replace them.
F02 shows.	Configure the PV panels lower than 450V.
F03 shows.	Disconnect the Utility and PV power. Then, re-apply again. If over-voltage alarm still, suppose the internal charger with some problem, please contact with service center to repair it.
F04 shows. Battery voltage dropped to an extremely low level	Please contact the service center to check if battery still in warranty period.

Phenomenon and/or Possible cause	What to do
F05 shows.	Check and verify if there is any load with short circuit
	condition? Remove the load and restart the unit again.
	If problem exist still, please contact the service center
	to repair.
F14 shows.	Clean the anti-dust filter and keep the unit installed in
	a well ventilated environment.
F18 shows.	Reduce the applied load and restart the unit again.
F21 shows.	New firmware doesn't compatible with the unit, please
	contact with service center to correct it.
F06, F07, F08, F09, F10, F11, F12, F13, F15, F16, F17	Please restart the unit again. If problem exist still,
F19 or F20 shows.	please contact the service center to repair.
F22, F23, F24, F25, F26, F27 or F28 shows.	Please check if the parallel cable connected firmly.
	Restart the unis, if problem exist still, please contact
	with service center.
Output powered but buzzer beeps per second, I	RED LED flashing
W04 shows.	Charge the battery.
W05 shows.	Reduce the load.
W06 shows.	Utility voltage lower to a certain level, the output
	rating will be limited.
W07 shows.	Reduce load will release the warning.
W08 shows.	Clean the anti-dust filter and keep the unit installed in
	a well ventilated environment.
W09 shows.	Fans abnormal stopped during operation. Please
	contact service center to replace them.
W10 shows.	BMS communication disconnected. Please contact
	service center to repair it.
W11 shows.	Internal communication disconnected. Please contact
	service center to repair it.
WiFi mark is not displayed.	-
Unit can't connect to the APP.	Check the Wi-Fi function enabled and icon available on
	the LCD then follow the Wi-Fi installation procedure to
	pair the Wi-Fi module with router and APP.
No function on USB charger ports.	
No power from the USB charger ports.	Check whether the USB charger function is enabled.
Parallel units can't be start-up successfully	
W12 shows.	Please check if there is only PV source available. If
	only PV source is available, parallel system is not
	working. Try to connect Grid or Battery together with
	PV. The unit could supply load correctly.

# **Appendix I: The Wi-Fi Operation Guide**

# 1. Introduction

Wi-Fi module can enable wireless communication between inverter and monitoring platform. Users can remote monitoring and controlling inverter easily by using the i.Solar APP.

The major functions of this i.Solar APP:

- Delivers device status during normal operation.
- Allows to configure device setting after installation.
- Notifies users when a warning or alarm occurs.
- Allows users to query inverter history data.

# 2. i.Solar App

# 2-1. Download and install APP

Please find "i.Solar" app from Apple® store or Google® Play Store. Install this app in your mobile phone.



(iOS)

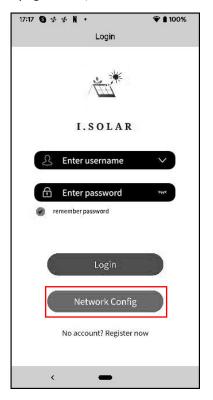
(Android)

# 2-2. Initial Setup

- Turn on the unit.
- Open the Wi-Fi settings from your smart phone.
- Connect your smart phone to the Wi-Fi module. The Wi-Fi named starts with "FC41D\_".
- Default password for the Wi-Fi module is: 12345678

14:35 🕏 🛱 📽 🔍 🔹	🕈 🖠 93%	14:35 🛃 📽 🔮 🖸 • 🖤 🗎 93%	14:36 🛫 📽 🕄 🕤 🗑 🗎 93%	
÷	ฉ		÷ ۲	2
Internet		FC41D_90a6bf93b62 9	Internet	
Wi-Fi Find and connect to Wi-Fi networks		Z Pessword	Wi-Fi Find and connect to Wi-Fi networks	
Guest Connected	۲	12345678	FC41D_90a6bf93b629 Connected to device. Can't provide	
S0022520034503	۵	✓ Show password	Guest 🙃	
♥ Guest6	⋳	Advanced options ~ 1 2 3 4 5 6 7 8 9 0	Saved	
♥ W0823471696126	۵	qwertyuiop	S0022520034503	
	۵	asd fghjkl	Guest6	
DIRECT-NETW-4407-J	^ <u>6</u>	☆ z x c v b n m ⊗	W0823471696126	
MIEmsEJ		(?123) , 🌐 English .	DIRECT-NETW-4407-JAMIEms	
	⋳	~ <b>—</b>	C (1D, 0036bf03b77a A	

• Once the Wi-Fi connection is successful, click the i.Solar App installed on the phone to enter the login page. Then, click the "Network Config" button to enter the Wi-Fi configuration page.



• The configuration page of the "Network Config" shown as following.

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	STA Password :	
		Open
		Save
	AP SSID :	
	FC41D_9826ada1a9e7	
	AP Password :	
	Confirmation :	
		Open
		Save
		Refresh
	<	

• Enter your router name (STA SSID) and router password (STA Password), then click the "Save" button to complete the setting.

If you check "Open" checkbox, you only need to enter the router name (STA SSID), no need to enter the router password. Then, click the "Save" button to complete the setting. The Wi-Fi module only could connect the router at **2.4GHz**.

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<	Network config	
	STA Password :	
		Open
		Save
	AP SSID :	
	FC41D_9826ada1a9e7	
	AP Password :	
	Confirmation :	
		Open
		Save
		Refresh
	<	

Enter the Wi-Fi name (AP SSID) and Wi-Fi password (AP Password) of the Wi-Fi module, confirm the password again and click the "Save" button to complete the setting of the Wi-Fi module.
If you check "Open" checkbox, you only need to enter the Wi-Fi name (AP SSID), no need to enter the Wi-Fi password and Confirmation. Then, click the "Save" button to complete the setting.

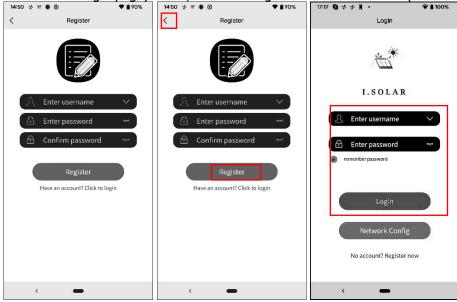
14:	45 🖙 💤 唑 🔹 •	🕤 🕯 91%
<	Network config	
	STA Password :	
		Open
		Save
	AP SSID :	
	FC41D_9826ada1a9e7	
	AP Password :	
	Confirmation :	
		Open
		Save
		Refresh
	<	

• After configuration, please **forget** the Wi-Fi module on the smartphone to avoid automatic connection and unable to access the Internet.

# 2-3. Log-In

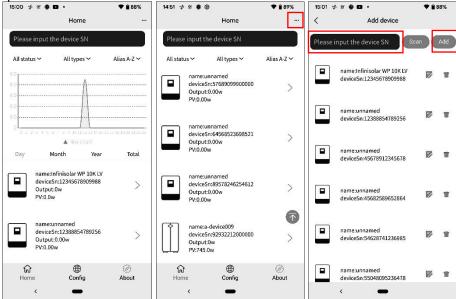
- Connect your smart phone to the router.
- Registration at first time.

After fill in user name and password, click the "Register" button to complete the user registration. Once registration is complete, click "Click to log in" or return to the previous page (click the left arrow to return to the login page). Then, enter the registered user name and password to log in.



#### 2-4. Home Page

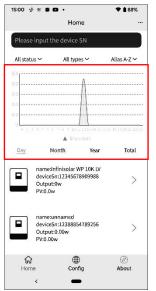
- After login, the default Home page will appear.
- Tap the icon (located on the right top) to enter the page to add, delete or rename the device. Input the device serial number to add the device.



•	Rename or de	elete the	e device							
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<	Add device		< Add device	<	Add device		<	Add device		
Please	input the device SN	an Add	Constant of the local division of the local	Please	input the device SN	can Add	Please input	t the device SN	can Ac	.dd
	name:Infinisolar WP 10K LV deviceSn:12345678909988	17 m	ame:Test deviceSn:12388854789256		name:Infinisolar WP 10K LV deviceSn:12345678909988	<b>1</b>		me:Infinisolar WP 10K LV viceSn:12345678909988		ŧ
	name:unnamed deviceSn:12388854789256	<b>₽</b> 1	name:unnamed deviceSn:45678912345678		name:unnamed deviceSn:12388854789256	<b>₽</b> 1		me:Test viceSn:12388854789256	P	Ŧ
	name:unnamed deviceSn:45678912345678	<b>⊮</b> ≇	Username: Enter User Name		name:unnamed deviceSn:45678912345678	<b>F</b> 1	Are you	sure to delete? OK	Cancel	
	name:unnamed deviceSn:45682589652864	<b>⊮</b> ±			name:unnamed deviceSn:45682589652864	<b>#</b> #		me:unnamed viceSn:45682589652864	ø	w
	name:unnamed deviceSn:54628741236985	<b>F</b> =	ame:unnamed deviceSn:55048095236478		name:unnamed deviceSn:54628741236985	8		me:unnamed viceSn:54628741236985	P	8
	name:unnamed deviceSn:55048095236478	<b>F</b> =	name:a-device009 device5n:92932212000000		name:unnamed deviceSn:55048095236478	<b>F</b> #		me:unnamed viceSn:55048095236478	P	¥

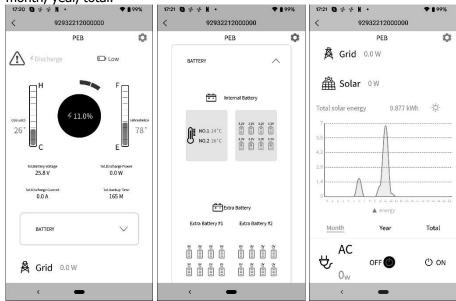
• Above is the chart data area:

Day: Click the button to query the hourly power generation data of the current day. Month: Click the button to query the daily power generation data of the current month. Year: Click the button to query the monthly power generation data of the current year. Total: Click the button to query the annual power generation data.



#### 2-5. Real-time data

 Main page displays battery information, including SOC, battery temperature, battery voltage, charge or discharge power, charge or discharge current, backup time, battery cell temperature and voltage, grid power, solar power generation in day, month, year, total, and AC output power consumption in day, month, year, total.



Remote control power on/off and USB charger on/off.

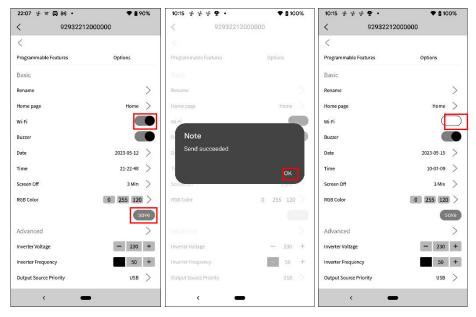
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6 4 2 0 1 2 3 4 5 0 7	v seilizziseilo ▲ ene	<b>ar</b> 16 11 18 12 02 12 12	11 34 25 16 27 28 29 30 3

• Tap the icon (located on the right top) to enter the setting page.

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26°	- 78°	Buzzer		Charging Speed	50 >	Reset to default	reset
L <sub>c</sub>	E	Date	2023-05-12 >	AC Charging Speed	100 >	Log	
Tol. Battery Voltage	ToLDischarge Power	Time	21-22-48 >	Max. Discharging Current	• >	Data Log	>
25.8 V	0.0 W	Screen Off	3 Min >	AC Input Source	Utility >	Power Generation Log	>
ToLDischarge Current 0.0 A	ToL.Backup Time 165 M	RGB Color	0 255 120 >	Over Load Restart	$\bigcirc$	Load Consumption Log	>
			save	Over Temperature Restart	$\bigcirc$	Event Log	>
BATTERY	$\sim$	Advanced		Over Load Bypass	$\bigcirc$	Product	
DRITERT	× )	Inverter Voltage	- 230 +		save	Update	>
		Inverter Frequency	50 +	Others		Product Information	>
\land Grid 0.0 W		Output Source Priority	usb >	Reset to default	reset	Rating Information	>
<		د 🖷		< <b>—</b>		< -	

• "Basic" and "Advanced": displays the setting items. Different models, the setting items on the parameter page will be different.

Select the setting and click the "Save" button to change the setting.



• If displays "Please make setting", it means that the setting is the same and there is no need to set it again.



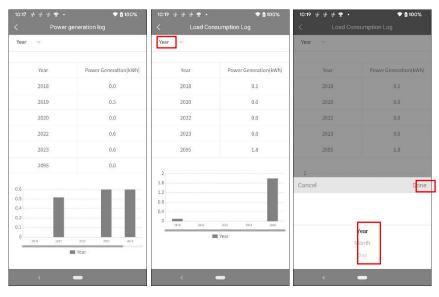
#### • Rename the device.

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Programmable Features	Options	Programmable Features	Options
Basic		Basic	
Rename	>	Rename	>
Home page	Home >	Home page	Home
Wi-Fi		Wi-Fi	
Buzzer		Buzze Please ente	er a name
Date	2023-05-12 >	Date Enter here	
Time	21-22-48 >	Time	
Screen Off	3 Min $>$	Scree cancel	ok
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	save		save
Advanced	>	Advanced	>
Inverter Voltage	- 230 +	Inverter Voltage	- 230 +
Inverter Frequency	50 +	Inverter Frequency	- 50 +
Output Source Priority	use >	Output Source Priority	USB >

• Log: displays data log, solar power generation log, load consumption log and event. Data log: Tap the time, select the date and click the "Browse" button to update log.

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023-05-15 10:11:48	Battery mode	0.0							2023-05-12 19:49:58	Battery mode	0.0
					Select I	Date		×	2023-05-12 19:54:58	Battery mode	0.0
				~~		-11 >			2023-05-12 19:59:58	Battery mode	0.0
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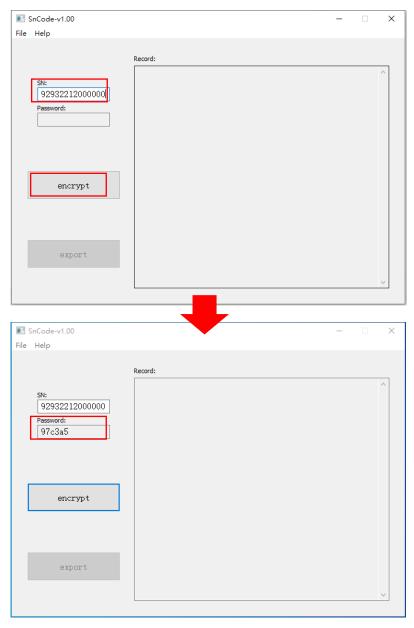
• Power Generation Log and Load Consumption Log: Tap the time, select the day, month or year, and click the "Done" button to update log.



• Event log: Tap the time, select the month and click the "Browse" button to update log.

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			RMS lost	2023-05-12	Done	BMS lost	2023-05-12 20:35:16	Wa
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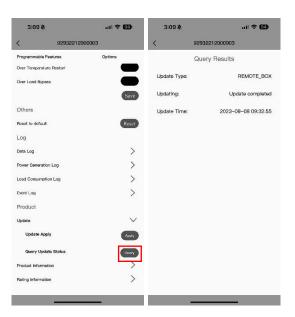
Product: displays update status, product information and rating information.
Update Apply: Please input the serial number through "Sncode" to get the updated password. If you do not have this tool, please contact your installer.



• Click "Apply", select CPU type and input updated password.

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ver Load Bypass	_	Over Load Restart		Oth	Please select the C	PU to update
	Save	Over Temperature R	estart	Rose	DSP	
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• Query Update Status:



• Product information and rating information

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Programmable Features	Options
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Product	
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Product Information	$\sim$
Main Version	15.07
Remote Version	66.06
Rating Information	$\sim$
Grid voltage input rating	230 V
Grid Voltage Output Rating (V)	230 V
Input Current	13 A
Output Current	13 A
Battery Voltage	24 V
Grid Power Output Apparent	3000 VA
Grid Power Output Active	3000 W
< 🛑	

**2-6. Configuration:** change password, delete account, network config, language setting and remove account.



# 2-7. About

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	About	
.Solar v1.0 Powered by;		
Copyright © 2022		
rusted UPS Manufact	turing Company	v
All rights reserved.		
ل		$(\partial)$
Home	Config	About
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