







Download Manual

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MIN 3K-11.4K TL-XH-US & Commissioning Guide

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## 1 Power on the system

## 1.1 Energy Management System Introduction

MIN 3K-11.4KTL-XH-US energy storage system diagram is shown in the figure below:



The system wiring diagram is as follows:



MIN 3K-11.4KTL-XH-US AC Couple system diagram is shown in the figure below:



The AC Couple system wiring diagram is as follows:



Fig 1.4

## 1.1.1 System Configuration Contains

Energy Storage System / Off-Grid System.

▶ MIN 3-11.4KTL-XH-US inverter.

ARO battery(s) or LG battery(s).

► ATS.

Electric meter SM-US-200 . Integrated in SYN 200-XH-US.

MIN 3-11.4K TL-XH-US inverter.

### ► ATS.

Product	Model	Function	Note
Inverter	MIN 3K-11.4KTL-XH-US	Energy conversion	
ARO Battery	ARO 6.6-19.8H-C1-US	Energy storage	UP TO 4
LG Battery	RESU10H/16H Prime	Energy storage	UP TO 2
ATS	SYN 200-XH-US	EPS switching	
Smart meter	SM-US-200	Energy management	
Button	Button RSD Button		Accessory (included in the package)

## 1.2 Check System Installation & Power On

All components were installed according to the installation guides, please check the following highlighted installation locations:

Power on the system according to the **MIN 3000-11400TL-XH-US Quick Guide** which is included in the inverter package/box.



Fig 1.5 Inverter Box Wiring Diagram

- ARO Battery Wiring Diagram please refer to ARO 6.6-19.8H-C1-US Quick Guide.
- LG Battery Wiring Diagram please refer to LG RESU10H/16H Prime Quick Guide.
- SYN 200-XH-US Wiring Diagram please refer to SYN 200-XH-US Quick Guide.

1.2.1 Communication cables installation between MIN TL-XH-US inverter and SYN 200-XH-US

Connect the signal cable from MIN TL-XH-US inverter RS485 port to SYN 200-XH-US, refer to the connection diagram below.



Fig 1.6

## 2 ShineTools APP Setup

## 2.1 APP Download

There are two ways to download the ShineTools APP:

a) Scan the QR code

Scanning the QR code through phone camera for downloading the APP.



Fig2.1 ShineTools App QR code

b) APP Store

- Search for ShineTools App from app stores (App or Play Store).
- > The ShineTools App icon is displayed the same as the Figure 4.
- > Download and install the App by following the installation instructions.



Fig2.2 ShineTools App QR code

## 2.2 APP Introduction

ShineTools is used to connect the inverter with built-in WIFI at close range. We can view the inverter system information and system fouction settings with it.

## 2.3 Connecting to Local Wi-Fi Network

The steps for using APP are as follows:

1.Login interface	2.Enter the default password and log in	3.Tap in Direct WiFi		
No SIM 🕈 5:01 PM @ 14% 🎦	The default password is oss+ day. Ex: if today's	No SIM 🗢 5:01 PM @ 14% 🕅 Installation Manual		
ShineTools	date is Ďec 29, 2020, the default password would be oss20201229, You can change the password	Please select a debugging tool		
End User O&M User	according to the prompts below.	USB/232-WiFi >		
🔒 Enter password 🛷		ShineWiFi-S/X (Only supports datalogger with version 3.0.0.2 / 3.1.0.2 or above)		
Automatic Log-in Forgot password		Direct WiFi (MIN TL-XH-US)		
4. Tap in Go to set	5. Open the Wi-Fi settings on the mobile phone	6. The Wi-Fi name is the Serial Number on the lab at the left side of the invert		
•	on the mobile phone 5:46	Serial Number on the lab		
No SiM 5:03 PM @ ≠ 16%/€	on the mobile phone	Serial Number on the lab at the left side of the invert The Wi-Fi password is		
No SM 503 PM 0 1904 FC	on the mobile phone S:46 •••• so ••• Sottings •••• VLAN ••••••••••••••••••••••••••••••••••••	Serial Number on the lab at the left side of the invert The Wi-Fi password is 12345678		
No 5M 503 PM © 115% FP & Back WLAN ··· Currently Connected WiFi Go to set >	on the mobile phone 5:46 •••• 150 ●○ Settings WLAN WLAN WUAN restance connections have been surred off for WUAN rest	Serial Number on the lab at the left side of the invert The Wi-Fi password is 12345678		
No SM 503 PM 0 1904 FC	on the mobile phone 5:46 •••• 150 ••• Settings WLAN WLAN ••••••••••••••••••••••••••••••••••••	Serial Number on the lab at the left side of the invert The Wi-Fi password is 12345678		
No 5M 503 PM © 115% FP & Back WLAN ··· Currently Connected WiFi Go to set >	on the mobile phone 5:46 •••• 10 ••• Settings WLAN WLAN ••••••••••••••••••••••••••••••••••••	Serial Number on the lab at the left side of the invert The Wi-Fi password is 12345678		
No 5M 503 PM © 115% FP & Back WLAN ··· Currently Connected WiFi Go to set >	on the mobile phone S:46	Serial Number on the lab at the left side of the invert The Wi-Fi password is 12345678		
No 5M 503 PM © 115% FP & Back WLAN ··· Currently Connected WiFi Go to set >	on the mobile phone S:46	Serial Number on the lab at the left side of the invert The Wi-Fi password is 12345678		
No 5M 503 PM © 115% FP & Back WLAN ··· Currently Connected WiFi Go to set >	On the mobile phone         5:46      tl 50 ●)         Settings       WLAN         WLAN       Image: Comparison of the phone turned off         WWW WUAN restored connections have been turned off       Image: Comparison of the phone turned off         WW NUAN restored connections have been turned off       Image: Comparison of the phone turned off         UV NETWORKS       Image: Comparison of the phone turned off         OTHER NETWORKS       Image: Comparison of the phone turned off         11f       Image: Comparison of the phone turned off         Iff       Image: Comparison of the phone turned off         ChuNengLab       Image: Comparison of the phone turned off         ChuNengLab_56       Image: Comparison of the phone turned off         Ithoogalab       Image: Comparison of the phone turned off         Inf       Image: Comparison of turned turn	Serial Number on the lab at the left side of the invert The Wi-Fi password is 12345678		
No 5M 503 PM © 115% FP & Back WLAN ··· Currently Connected WiFi Go to set >	On the mobile phone         5:46      tl 50 ●)         Settings       WLAN         WLAN       Image: Control Cont	Serial Number on the lab at the left side of the invert The Wi-Fi password is 12345678		

No SIM 🗢	4:47 PM	@ <b>1</b> 30% 🛃	No SIM 🗢	7:53 PM TL-XH-US	€ <b>1</b> 7%⊡	Now this APP has been
K Back	WLAN		< WLAN	Standby	Auto refresh	connected to the built-in WIFI of the inverter.
			Generation	1.5kWh	23.2kWh	
			(kWh)	Today	Total	
			Charged	0.0kWh	0.0kWh	
	114/171		(kWh)	Today	Total	
Currently Co	onnected WiFi		Discharged	0.0kWh	0.0kWh	
	45		(kWh)	Today	Total	
MMLDS123	145	Go to set >	Energy Exported	0.0kWh	0.0kWh	
			(kWh)	Today	Total	
			O Consumption		50.5kWh	
			(kWh)	Today	Total	
	Next		Current Power Pow			
			-4532.7W 11400	0.0W 3335.	0.0W	
			Import power:	9340.0W	Dry contact 🛇	
			🔥 Fault 0	6	Warning 0	
			E)	Ĝ	ö	
			Quick Setting	System	Grid Code	

### Note:

When no data was present, the communication connection is unsuccessful and you will need to reconnect the build-in WIFI of the inverter by turning off Wifi setting in the phone and turn on again OR power cycle the system.

Also, keep the mobile phone within 3 meters of the inverter to ensure stable connection between phone and inverter.

## 2.4 Local Commissioning Main Interface Introduction

The main interface of local commissioning consists of three parts:

ower generation nformation				Fault warn	ing me	ssage	Internal information viewing and parameter setting		
No SIM *		7:53 PM TL-XH-US •Standby	€ <b>1</b> 7% ⊡ Auto refresh	no sim 🗢 ✔ WLAN	7:53 PM TL-XH-US •Standby	€ <b>1</b> 7% 🕞 Auto refresh	No SIM 🗢 🗸 WLAN (KWII)	7:53 PM TL-XH-US •Standby	€ <b>1</b> 6% Auto refresh
(1)	Generation (kWh)	<b>1.5kWh</b> Today	23.2kWh	Generation (kWh)	1.5kWh Today	23.2kWh Total		Iominal Charging Power Power 100.0W 3335.0V	Power
0	Charged (kWh)	0.0kWh Today	0.0kWh	Charged (kWh)	0.0kWh Today	0.0kWh	Import power:	9340.0W	Dry contact 🛇
0	Discharged (kWh) Energy Exported to the Grid (kWh)	0.0kWh Today 0.0kWh Today	0.0kWh Total 0.0kWh Total	C Discharged (kWh) Energy Exporte (kWh)	0.0kWh Today <sup>d</sup> 0.0kWh Today	0.0kWh Total 0.0kWh Total	🛕 Fault	0 🚺 W	'arning <mark>0</mark>
0	Consumption (kWh)	Today	50.5kWh Total	Consumptio		50.5kWh Total	E)	Ĝ	ö
	nt Power Power Power	ver Powe	r Power	Current Power Po	ver Powe	er Power	Quick Setting	System Configuration	Grid Code
Imp	32.7W 1140	9340.0W	Dry contact 🚫	-4532.7W 1140 Import power:	9340.0W	Dry contact 🚫	<b>S</b> EMS	Smart Diagnosis	Hit Parameters
	Fault (		Warning 0	A Fault (		Warning 0	Po Advanced	Device Information	
Qu	=) uick Setting	System Configuration	Grid Code	E Quick Setting	System	Grid Code			

## **3 Grid Code Mapping Table**

The factory Default grid mode of the inverter is IEEE1547-240, which can adapt to the most power grids. The different grid code can be changed according to local regulation in the network configuration interface from Quick Setting in ShineTools App.

No.	Grid Code	Description	No.	Grid Code	Description
1	HECO-208	US Hawaii low- voltage power grid	2	HECO-240	US Hawaii low- voltage power grid
3	IEEE1547-208	US low-voltage power grid	4	IEEE1547-240	US low-voltage power grid
5	PRC-East-208	RC-East-208 Eastern US low- voltage power grid		PRC-East-240	Eastern US low- voltage power grid
7	PRC-Quebec- 208			PRC-Quebec- 240	Canada Quebec low-voltage power grid
9	RULE21-208	US California low- voltage power grid	10	RULE21-240	US California low- voltage power grid

# Wi-Fi Network Configuration 4 First time install the inverter, the inverter needs to be configured to connect to the home

Wi-Fi to ensure the remote monitoring.

.Tap in Quick Setting icon	configuration	information
No SIM	No SIM 🗢 7:54 PM @ 1 6% 🗁 く Quick Setting Read	No SIM ♥ 7:54 PM @ # 6% □
(kwn) Today Total	Network Type >	Network
Current Power Power Power Power		configuration O WIFI O LAN
-4532.7W 11400.0W 3335.0W 0.0W	Power Sensor Electric Meter >	Enter name of router
Import power: 9340.0W Dry contact S	Grid Code >	
A Fault 0 👔 Warning 0	Voltage Level	Enter the router password
	EMS (i) TOU-Charging	
5 \$ t	AC Couple 使能	Server address
Quiet Setting System Orid Code	Battery Diagnosis	server-us.growatt.com
Configuration Code	Output Mode Split Phase	
🍫 😔 🚻	Time 2021-12-27 19:52:22	server-us.growatt.com
. Tap in Connect to the internet icon	5.Prompt message for successful configuration	
â ø	â ø	
Server address	Serve Configuration successful	
server-us.growatt.com	serv Yes 🗸	
server-us.growatt.com	server-us.growatt.com V	
Connect to the Internet	Connect to the Internet	

If the network configuration has failed, please carefully check the Wi-Fi name, password and antenna installation connection, and then try again. Notice: The inverter does not support 5GHz WiFi network.

## 5 Energy Management System

Notice: First time install the energy storage system, charge the battery for at least 1 hours or up to 60% SOC before powering off the system. This action will keep up the battery power to avoid running out while waiting for PTO.

There are two ways to charge the battery.

The first is to connect the PV array to the PV of the inverter and turn off the AC output breaker of the inverter.

➢ The second method is to Wake up the battery via the battery's force-wake switch button (The forced wake-up switch button of the LG battery is at the bottom of the inverter wiring frame, and the forced wake-up switch button of the ARO battery is on the ARO battery cabinet) and connect SYN 200-XH-US to the grid without any PV input, set the EMS mode of the system to TOU Battery Charging (5.2.3), and turn on the AC charging function (5.2.2).

## 5.1 Management System Mode Introduction

The MIN 3K-11.4K TL-XH-US system provides four energy storage modes to choose from.





## 5.2 Energy Management System setting

For the photovoltaic energy storage system, several functions of the system need to set after the first installation and power-up.

### 5.2.1 Power Sensor Setting

If an electric meter is installed in the system, please set. Factory Default is Disabled.

### Note: Power Sensor: iOS = Electric meter Android = Meter

#### 2.Choose Network 3.Enter network 1. Tap in Quick Setting icon information configuration No SIM ? 7:59 PM No SIM ? 7:58 PM @ 1 6% No SIM 穼 7:53 PM @ 🕇 6% 🗔 @ 🕈 6% 🗔 TL-XH-US K WLAN Auto refresh < Quick Setting Read Quick Setting -Standby IKWI Network Type Nominal Power Charging Discharging Current Power Electric Meter Power Sensor Electric Meter -4532.7W 11400.0W 3335.0W 0.0W 9340.0W Dry contact S Grid Code Import power Voltage Level oltage Level (1) Warning 0 A Fault 0 EMS TOU-Charging None AC Couple 使能 E) ö G Electric Meter Battery Diagnosis System Grid Code uick Settir Cancel Split Phase Output Mode 0 $\odot$ 봚 2021-12-27 19:52:22 2021-12-27 19:52:22 Time FMS Smart Diagnosis Parameter 20 -Device Advanced Informatio 5. Prompt message for 4. Tap in setting successful setting No SIM 穼 7:59 PM @ 1 6% □ No SIM 穼 7:59 PM @ 🕇 6% 💭 < Quick Setting Quick Setting Read < Read Network Type Network Type Power Sensor Electric Meter Power Sensor Electric Meter Grid Code Grid Code Voltage Level Voltage Level TOU-Charging EMS EMS TOU-Charging AC Couple 使能 AC Coup Succeed Battery Diagnosis Battery I Yes Split Phase Split Phase Output Mode Output Mode Time 2021-12-27 19:52:22 2021-12-27 19:52:22 Time

### 5.2.2 AC Charging Setting The AC charging is used to set whether to allow charging the battery from the Grid. Factory Default is Disabled.



### 5.2.3 Battery type Setting

The Battery type setting is to choose ARO Battery or LG Battery Factory Default is ARO Battery.

15:41 🕈		::!. 🗢 🔳	17:15 🛪	1	::! 🗢 👀	17:15 🕫	::!! 🗢 🚱
<	MIN TL-XH-US -Standby	Auto refresh	<	Quick Setting	Read	< 9	uick Setting Read
Generation (kWh)	0.0kWh Today	10.0kWh Total	Network Ty	pe	>	Network Type	
Charged (kWh)	0.0kWh	0.0kWh	Power Sen	sor	None>	Power Sensor	None>
Discharged (kWh)	0.0kWh Today	0.0kWh Total	Battery type	e GRC	WATT Battery>	Battery type	GROWATT Battery>
Energy Exported to the Grid (kWh)		0.0kWh Total	Voltage Lev	rel	240 V	Voltage Level	240 V
Consumption	0.0kWh Today	10.2kWh Total	EMS (i)		Battery First	EMS ()	Battery First
Current Power Nomina			Enable AC 0	Couple		Enable AC Couple	Battery type
0.0W 760	0.0V 0.0V		Battery Dia	gnosis	>	Batte	OWATT Battery
Import & Export Powe	r: 0.0W	Dry contact	Output Mod	de	Split Phase	Outpu	LG Battery
🛆 Fault 0	0	Warning 0	Time	2022-0	4-20 17:15:02	Time	Cancel 2022-04-20 17:15:02
E) Quick Setting CMS	System Centiguration Centiguration	Grid Code					

### 5.2.4 AC Couple Setting The AC Couple setting is what the AC COUPLE system needs to set Factory Default is Disabled.

Generation     ObkWh     100.0kWh     100.0kWh     Network Type     Network Type       O charged     ObkMh     00.kWh     00.kWh     00.kWh     00.kWh     00.kWh       O charged     00.kWh     00.kWh     00.kWh     00.kWh     00.kWh     00.kWh       O charged     00.kWh     00.kWh     00.kWh     00.kWh     00.kWh     00.kWh       O charged     0.kWh     00.kWh     00.kWh     00.kWh     00.kWh       O charged south     0.kWh     00.kWh     00.kWh     00.kWh       D charged south     0.kWh     0.kWh     00.kWh     00.kWh       D charged south     0.kWh </th <th></th> <th></th> <th>::!. 🗢 🔳</th> <th>15:38 🕈</th> <th>::!! � ■</th> <th>15:39 🕈</th> <th>::!: ╤ ■)</th>			::!. 🗢 🔳	15:38 🕈	::!! � ■	15:39 🕈	::!: ╤ ■)
Octoration OLWN 10.0WN   Orbitarged OLWN OLWN   Orbitarged OLWN   Orbitarged OLWN   Orbitarged OLWN   Orbitarged<	<		Auto refresh	< Qui	k Setting Read	< Quick	Setting Rea
Constrained DAWN CONVERSION     Power Sensor     Power     Power Sensor     Power Sens				Network Type	>	Network Type	
Ocharged       OXWN       OAWN         Within Stray       Difference         Within Stray       Difference         Ocharged       Difference         Ocharged       Difference         Ocharged       Difference         Own       Difference         Difference       Difference	Charged	0.0kWh	0.0kWh 🙂 🐘	Power Sensor	None>	Power Sensor	None
Image Level     2.0 V       Image Level     0.0 V       Image Level <t< td=""><td>Discharged</td><td>0.0kWh</td><td>0.0kWh</td><td>Battery type</td><td>GROWATT Battery&gt;</td><td></td><td>GROWATT Battery</td></t<>	Discharged	0.0kWh	0.0kWh	Battery type	GROWATT Battery>		GROWATT Battery
Occurrention     0.04Wh     10.24Wh     10.24Wh       Marky     Marky     10.24Wh     10.24Wh       Current Power Roman Council and Power Council and Power Roman     Marky     10.24Wh       O.0W     7600.0W     0.0W     0.0W       Import & Export Power 8.0W     Cyremet Council and Power Roman     Split Phase       Time     2022-04-24 IS 37.12	Energy Exported t	° 0.0kWh	0.0kWh	Voltage Level	240 V		240 V
Current Parent Aborninal Parent Charging France Charging Franc	O Consumption	0.0kWh	10.2kWh	EMS (i)	Battery First		Battery First
Image: State of Configuration     Over Configuration       Deck: State of Configuration     Over Configuration						Output /	Phase
EMS Smart Dispresis Parameters		System	Grid Code		•		

**5.2.5 MIN TL-XH-US Inverter communication setting with SYN 200-XH-US** MIN TL-XH-US inverter with SYN 200-XH-US needs to set the off-grid and electric meter enable

## Factory Default is disable.Off-Grid enable settings are as follows, please refer to chapter 5.2.1 for meter settings

.Tap in System 2.Tap in Off-Grid Func				Function	3.Tap in Enable Off-Grid Function button		
15:41 <b>-</b>	MIN TL-XH-US	### 🗢 🗩	15:42 <del>1</del> <	System Setting	::::♥■)	15:42 - 카 ::::: 후 = 이 く Off-Grid Function	
Generation     orgen     orgen	Today 0.0kWh Today all Power Charging 0.0W 0.0 er: 0.0W	Power	Inverter Power Active Power 1 Export Limited Enable N-PE Detection Fun Off-Grid Funct AFCI Function	% ion Setting	<ul> <li>3</li> <li>3</li> <li>2</li> <li>3</li> </ul>	Enable Off-Ond Function	

### 5.2.6 EMS Mode Setting:

If an ARO battery is installed in the system, you need to set the energy storage mode.

## Factory Default is Maximum Self-Consumption.

Example: If the energy storage system is to be used as backup and only use the battery when the grid is powered off, set the battery charging and discharging time period to 24 hours for TOU Battery Charging.

.Tap in EMS	2.Tap in Time Slot	3.Create the date and period.	tim
No SIM	No SIM 🗢 7:59 PM		7 6% 🖂 Read
(Kwri) 100ay 100ar Current Power Nominal Charging Discharging Power Power Power	Time Slot Priority Setting of Charge/Discharge	> Select Date 1-	~12 >
-4532.7W 11400.0W 3335.0W 0.0W	Enable AC Charging	Enable	
Import power: 9340.0W (Dry contact (S)	Charging Power Ratio	100% > Time Period ?	
A Fault 0 👔 Warning 0	Stop Charging SOC	100% > Time Period 1	
	Dischrage Power Ratio	100% > 00:00~23:59	>
🗗 😫 🔁	Stop Discharging SOC	28% > Weekday   TOU-Charging	
Quick Setting System Grid Code	Battery Mode Setting Self	Consumption >	
🍫 😔 🚻			
EMS Smart Diagnosis Parameters			
≈ ≣			
Advanced Device			



## Battery Life Maintenance 6 (Important)

- a) TUnplug Battery power, Battery Communication cables and turn OFF battery modules power (Check battery quick installation guide for the detail) . if the following conditions were met:
- > The installation is not completed.
- No PV and AC power can charge the battery.
- b) Charge the battery SOC above 60% or higher after installation is complete and pending for AHJ/city review and approval.

## 7 Commissioning Error Code Troubleshooting

Enter the local commissioning home page, and view the fault and alarm information on the main interface if there are exist after installation. The fault and alarm code on the ShineServer Page will be the same in the APP.

If you find a fault or alarm, please click it, and then you will be redirected to the interface of fault explanation and handling tips.



### 1. Common Fault and warning Codes

Fa	ault code	Fault name	Possible cause	suggestion
Er	ror 200	AFCI Fault	There is a problem on the wiring connection	<ol> <li>After shutdown, check the panel terminal.</li> <li>Decrease AFCI sensitivity and restart.</li> <li>If error message still exists, contact manufacturer.</li> </ol>
Er	ror 201	Residual current High	PV panel insulation problem	<ol> <li>Restart inverter. (Related to Grounding fault?)</li> <li>If error message still exists, contact manufacturer.</li> </ol>

Error 202	PV Voltage High	Too many PV panels connected in series	<ol> <li>Immediately disconnect the DC switch and check the PV voltage.</li> <li>If the fault code still exists after the normal voltage is restored, contact manufacturer</li> </ol>
Error 203	PV Isolation Low	PV panel insulation problem	1. Check PV panel and wiring.
Error 204	PV Reversed	PV positive and negative are reversed	<ol> <li>After shutdown, Check the inverter terminal.</li> <li>Restart inverter.</li> <li>If error message still exists, contact manufacturer.</li> </ol>
Error 300	AC overvoltage	Grid voltage overvoltage	<ol> <li>Check grid voltage.</li> <li>If the error message still exists despite the grid voltage being within the spec range, contact manufacturer.</li> </ol>
Error 301	AC reversed	AC wiring error	<ol> <li>Check AC terminals.</li> <li>If error message still exists, contact manufacturer.</li> </ol>
Error 302	No AC Connection	No AC Connection	<ol> <li>After shutdown, Check AC wiring.</li> <li>If error message still exists, contact manufacturer.</li> </ol>
Error 303	NE abnormal	N or PE wring error	1.Check PE wiring. 2.Check N wiring.
Error 304	AC F Outrange	Abnormal grid frequency	<ol> <li>Restart inverter.</li> <li>If error message still exists, contact manufacturer.</li> </ol>
Warning 217	BDC Abnormal	ARO battery error	1.Check ARO battery terminals 2.Check the connection. between the inverter and the ARO battery.
Warning 218	BDC Bus Disconnect	Inverter and BDC wiring failure	<ol> <li>Check the wire connection between the inverter and the ARO battery.</li> <li>If error message still exists, contact manufacturer.</li> </ol>

## 8 ShineServer Operation

ShineServer is the online monitoring platform that allows remote access through the ShinePhone App or any web browser. However, the premise is that the Wi-Fi network has been configured.

Account and plant information will be the same in both the web browser version and on the ShinePhone App.

## 8.1 Register an Account

a) Log in to our monitoring website http://server-us.growatt.com and click Register an Account.



b) Fill in the appropriate information on the registration interface and log into the account after the registration is completed.



## 8.2 Create a power plant

- a) When you log into your account for the first time, you will be prompted to register a power plant.
- b) Click Add Plant on the upper right hand corner to create a power plant. A single account can contain multiple power plants.



c) Fill in the appropriate power plant information in order to complete the power plant creation.



## 8.3 Add Data Logger to power plant

a) Click on the power plant just created, enter the power plant page, and then add a data logger. The SN number of the collector is on the barcode on the side of the inverter, starting with VC. A power plant can contain multiple data loggers.





b) When you have completed these steps, you will be able to view the inverter system remotely through the ShinePhone APP and through any browser.

## **Shinephone Introduction 9**

9.1 APP Download

There are two ways to download the ShinePhone APP: c) Scan the QR code



Fig 9.1 ShinePhone downloading QR code

Scanning the QR code through WeChat or IOS's Camera, then download the APP. d) APP Store

Search for ShinePhone from app stores, download the installation package, and install the ShinePhone app by following the instructions.the ShinePhone icon is displayed on the home screen.



Fig 9.2 Icon of APP

## 9.2 APP Introduction

Shinephone can remotely monitor the inverter system information, which has the same function as shineserver, and the two information are shared. We can also register and create power stations through the shinephone app.

Setup local Wi-Fi to commu	nicate with the inverter	
1.Tap in Register	2. Fill the register info, Notice: For Installer code: ask for your installer, onc you fill your installer code your PV system would be authorized and monitored by your installer.	e a, 3.Fill the plant info
No SIM 🗢 5:38 PM @ 20% 💽	No SIM 🗢 5:38 PM @ 21% 💽	
GROWATT Demoss	Back Register  Click to get the server address	Gack Add Plant     Plant name     Enter the Plant name
± Username	O Country     Choose country	Installation date     Select the installation date
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<b>R</b>	User terms and privacy policy	capacity(W)     PV capacity     Plant type
Configure WFi datalogger Local commissioning	Register	Residential plant Commercial Plant (Innor mound pane) (Conversion standard based on 19/M power generation)
Click to follow, learn more 4.Continue fill the plant info	5.Tap in skip	Fund Revenue DOLLAR ~ 6. Add collector
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PV Plant +Choose the picture to upload		Add datalogger Datalogger list
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