







Download Manual

### Growatt USA,Inc

9227 Reseda Blvd,#435 Northridge,CA 91324,USA.

- **T** 1(866) 686-0298
- E usaservice@ginverter.com
- W www.growatt-america.com

GR-UM-251-A-00(PN:044.0093600)



MIN 3000-11400TL-XH-US & Commissioning Guide

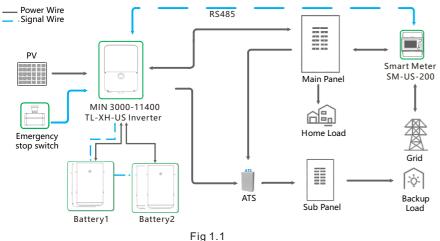
# List

1 Power on the system	<ul> <li>1.1 Energy Management System Introduction</li> <li>1.2 Check System Installation &amp; Power On</li> </ul>
2 ShineTools APP Setup	2.1 APP Download 2.2 APP Introduction 2.3 Connecting to Local Wi-Fi Network
3 Grid Code Mapping Table	
4 Wi-Fi Network Configuration	
5 Energy Management System	5.1 Management System Mode Introduction 5.2 Energy Management System setting
6 Battery Life Maintenance	***************************************
7 Troubleshooting Commissioning Error Code	
8 ShineServer Operation	8.1 Register an Account 8.2 Create a power plant 8.3 Add Data Logger to power plant
9 Shinephone Introduction	9.1 APP Download 9.2 APP Introduction

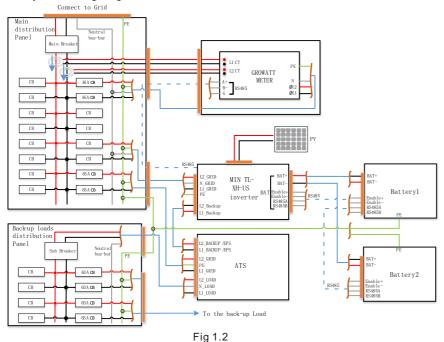
# 1 Power on the system

### 1.1 Energy Management System Introduction

 $\mathsf{MIN}$  3000-11400TL-XH-US energy storage system diagram is shown in the figure below:



The system wiring diagram is as follows:



MIN 3000-11400TL-XH-US AC Couple system diagram is shown in the figure below:

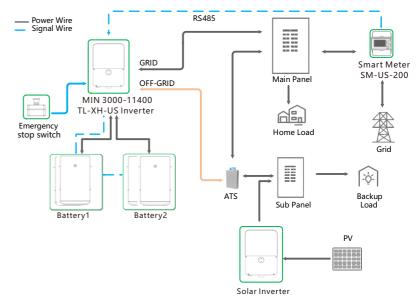
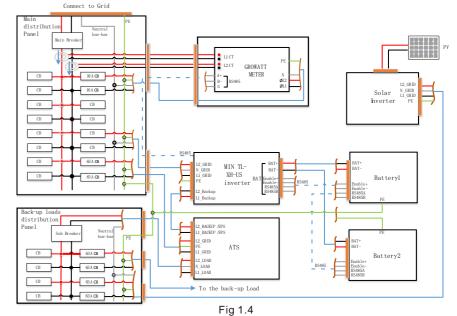


Fig 1.3

The AC Couple system wiring diagram is as follows:



#### 1.1.1 System Configuration Contains

Energy Storage System / Off-Grid System :

- MIN 3000-11400TL-XH-US inverter.
- ARO battery(s) or LG battery(s).
- ► ATS.
- Electric meter SM-US-200.

Inverter Grid-Connected System:

- MIN 3000-11400TL-XH-US inverter.
- Electric meter SM-US-200 (Optional ).

Product	Model	Function	Note
Inverter	MIN 3000-11400TL-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	ATS 11400T-US	EPS switching	
Smart meter	SM-US-200	Energy management	
Button	RSD Button	Rapid shutdown	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.

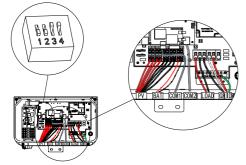


Fig 1.5 Inverter Box Wiring Diagram

> ARO Battery Wiring Diagram please refer to ARO 6.6-19.8H-C1-US Quick Guide QR code

LG Battery Wiring Diagram please refer to LG RESUPrime Quick Guide QR code
 ATS 11400T-US Wiring Diagram please refer to ATS-US Series Quick Guide QR code



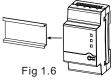




1.2.1 Installation and Wiring of Electric Meter SM-US-200

a) Meter Mounting

- > The meter should be mounted in a Power Distribution Box.
- Mount the meter on a 35mm DIN rail.



b) CT Installation

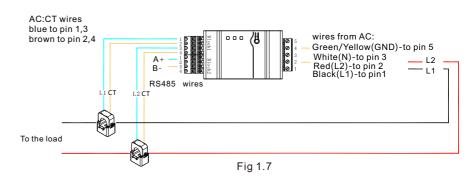
Install the two CTs with the Arrow pointing to the LOAD.

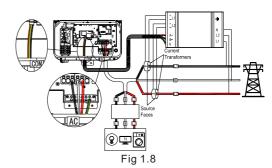
> Make sure the CT of L1 matched L1 input of the Service Panel that also match the L1 to the inverter.

 $\succ$  Make sure the CT of L2 matched L2 input of the Service Panel that also match the L2 to the inverter.

c) Meter Wiring

> When connecting the meter to the inverter, refer to the connection diagram below.





RS485 cables Ground, B- & A+ was installed from the left to right when facing the meter, Please refer to the silk screen on the meter.

# 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:

•		unicate with the inverte 2.Enter the default		
1.Login interfa	се	password and log in	n	3.Tap in Direct WiFi
No SIM 🕈 5:01 PM	@ 14%	The default password oss+ day. Ex: if today	/'s	No SIM 🗢 5:01 PM @ 14%] Installation Manua
ShineToo	ols	date is Dec 29, 2020 default password wo be oss20201229, You can change the	Please select a debugging tool	
End User	O&M User	password according the prompts below.	to	USB/232-WiFi >
▲ Enter password	Ś			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)
		5. Open the Wi-Fisco	ttings	6 The Wi-Finame is the
4.Tap in Go to	set ⊛ <b>1</b> 16% 1£	5. Open the Wi-Fise on the mobile phor		6. The Wi-Fi name is the Serial Number on the at the left side of the
•		on the mobile phor	ne 50 •	Serial Number on the
	€ <b>1</b> 16% <b>∳</b> 	on the mobile phor 5:46 and Settings WLAN WLAN Network connections have been turned from Control Center. MY NETWORKS CRH0A45005	ne 50 => off \$ ()	Serial Number on the at the left side of the inverter. The Wi-Fi password is
No SM 5-03 PM	@≁16%£D 	on the mobile phor 5:46 and Settings WLAN WLAN WUAN network connections have been turned from Control Center. MY NETWORKS CRH0A45005 a GUOJIANBAO a		Serial Number on the at the left side of the inverter. The Wi-Fi password is 12345678
No SM 5-03 PM	@≁16%£D 	on the mobile phor 5:46 and Settings WLAN WLAN WUAN network connections have been turned from Control Center. MY NETWORKS CRH0A45005 a GUOJIANBAO a	ne 50 ■) off ₹ (1) ₹ (1)	Serial Number on the at the left side of the inverter. The Wi-Fi password is 12345678
No SM 5-03 PM	@≁16%£D 	on the mobile phor	ne 50 ■) off ♥ () ♥ () ♥ () ♥ ()	Serial Number on the at the left side of the inverter. The Wi-Fi password is 12345678
No SM 503 PM Back WLAN Currently Connected Wil	@≁16%£D 	on the mobile phor 5:46 and Settings WLAN WLAN WUAN Network connections have been turned from Control Center. MY NETWORKS CRH0A45005 a GUOJIANBAO a MGD a OTHER NETWORKS 1440813651358 a 1f a	ne 50 ■) eff ♥ ① ♥ ① ♥ ① ♥ ① ♥ ①	Serial Number on the at the left side of the inverter. The Wi-Fi password is 12345678
No SM 503 PM Back WLAN Currently Connected Wil	@≁16%£D 	on the mobile phor 5:46	ne so ■) off ♥ () ♥ () ♥ () ♥ ()	Serial Number on the at the left side of the inverter. The Wi-Fi password is 12345678
No SM 503 PM Back WLAN Currently Connected Wil	@≁16%£D 	on the mobile phor 5:46 • • • • • • • • • • • • • • • • • • •	ne 50 ■) eff ♥ ① ♥ ① ♥ ① ♥ ① ♥ ①	Serial Number on the at the left side of the inverter. The Wi-Fi password is 12345678
No SM 503 PM Back WLAN Currently Connected Wil	@≁16%£D 	On the mobile phor 5:46 • • • • • • • • • • • • • • • • • • •	ne 50 ■) 611 () () () () () () () () () ()	Serial Number on the at the left side of the inverter. The Wi-Fi password is 12345678
No SM 503 PM Back WLAN Currently Connected Wil	@≁16%£D 	on the mobile phor si46 all Si46 all Settings WLAN WLAN New WLAN answer connections have been turned them Control Connect. MY NETWORKS GUOJIANBAO a GUOJIANBAO a OTHER NETWORKS 1440813651358 a 1f a ChuNengLab_5G a Growatt-C3F a HKD094326A a	ne       so       so       off       * (1)       * (2)       * (3)       * (4)       * (5)       * (1)       * (2)       * (3)       * (4)       * (5)       * (1)       * (2)	Serial Number on the at the left side of the inverter. The Wi-Fi password is 12345678

7. Tap in	Next		8. Tap in A	uto ref	resh	
No SIM 🗢 🗸 Back	4:47 PM WLAN	@ <b>1</b> 30% 💽 	no sim 🗢 ✔ WLAN	7:53 PM TL-XH-US •Standby	€ <b>1</b> 7% □-	Now this APP has been connected to the built-in WIFI of the inverter.
			Generation (kWh)	<b>1.5kWh</b> Today	23.2kWh Total	
			Charged	0.0kWh Today	0.0kWh	
Currently Co	onnected WiFi		O Discharged	0.0kWh	0.0kWh	
MMLDS123	45	Go to set >	(kWh) Energy Exported to the Grid (kWh)	Today 0.0kWh Today	Total 0.0kWh Total	
			O Consumption (kWh)	<b>20.2kWh</b> Today	50.5kWh Total	
	Next		Current Power Nom Pow -4532.7W 11400	er Powe	er Power	
			Import power:	9340.0W	Dry contact 🛇	
			🔥 Fault 0	0	Warning <mark>0</mark>	
			=)	G	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 ge formati	eneration on		Fault warning message				l informat J and para	
No SIM 🗢 ✔ WLAN	7:53 РМ TL-XH-US • <mark>Standby</mark>	€ <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 (KWIT)	7:53 PM TL-XH-US Standby	€ <b>1</b> 6% Auto refresh
Generat (kWh)	Today	23.2kWh Total 0.0kWh	Generation (kWh)	1.5kWh Today 0.0kWh	23.2kWh Total 0.0kWh	Current Power -4532.7W 1	Nominal Charging Power Power 1400.0W 3335.0V	Power
(kWh)	Today ged 0.0kWh	Total 0.0kWh	(kWh)	Today 0.0kWh	Total 0.0kWh	Import power:		Dry contact 🛇
(kWh) Energy Exp to the Grid (kWh)		Total O.OkWh Total	(kWh) Energy Exported to the Grid (kWh)	Today <sup>d</sup> 0.0kWh Today	Total 0.0kWh Total	A Fault	: 0 🚺 W	/arning 0
O Consum (kWh)	ption 20.2kWh Today	50.5kWh Total	O Consumption (kWh)	n 20.2kWh Today	50.5kWh Total	E)	G	ö
Current Power -4532.7W 1	Nominal Chargi Power Power 1400.0W 3335.	r Power	Current Power Powe	ver Powe	er Power	Quick Setting	System Configuration	Grid Code
Import power:		Dry contact 🚫	Import power:	9340.0W	Dry contact 🚫	ems	Smart Diagnosis	Parameters
A Faul	t 0 🚺	Warning 0	A Fault C		Warning 0	Advanced	Device	
E) Quick Setting	System Configuration	Grid Code	E) Quick Setting	System Configuration	Grid Code		Information	

# 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	Eastern US low- voltage power grid	6	PRC-East-240	Eastern US low- voltage power grid
7	PRC-Quebec- 208	Canada Quebec Iow-voltage power grid	8	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 🗢 7:53 PM @ 1 6% 🗔	No SIM � 7:54 PM @ ◀ 6% -	No SIM 🗢 7:54 PM @ 1 6%
WLAN TL-XH-US -Standby Auto refresh	C Quick Setting Read	Back Configure the network
Nominal Charging Discharging	Network Type >	Network configuration O WIFI O LAN
-4532.7W 11400.0W 3335.0W 0.0W	Power Sensor Electric Meter >	method
Import power: 9340.0W Dry contact 🛇	Grid Code >	Enter name of router
	Voltage Level	Enter the router password
Fault 0 🙆 Warning 0	EMS (i) TOU-Charging	
	AC Couple 使能	Server address
🖻 😫 👸	Battery Diagnosis	server-us.growatt.com
Quick Setting System Grid Code	Output Mode Split Phase	
o. 🛞 🚻		server-us.growatt.com $\lor$
EMS Smart Diagnosis Parameters	Time 2021-12-27 19:52:22	
internet icon ◦ SIM ♥ 7:55 PM @ 1 6% □	5.Prompt message for successful configuration	1
interneticon ∞ M ♥ 7:55 PM @ ♥ 6% □	SUCCESSful configuration	n
oSM ♥ 7:55 PM @ 1 6% □	Successful configuration	1
interneticon ∞ SM ♥ 755 PM @ ≠ 6% □ < Back Configure the network Network Configuration ♥ WIFI ● LAN	SUCCESSFUL CONFIGURATION	n
interneticon       osM ♥     7:55 PM     @ # 0%□       ⟨ Back     Configure the network       Network     © WIFI     □ LAN       @ MGD     □     □	Successful configuration	h
interneticon sM ♥ 7:55 PM @ 4 6% ⟨Back Configure the network Configuration ♥ WIFI ♥ LAN @ MGD	Successful configuration	n
interneticon       osM ♥     7:55 PM     @ # 0%□       ⟨ Back     Configure the network       Network     © WIFI     □ LAN       @ MGD     □     □	Successful configuration	
interneticon	Successful configuration	n
interneticon	Serve Configuration successful	h
interneticon	Serve Configuration successful	n
interneticon	Serve Configuration successful	
interneticon	Successful configuration	n

password and antenna installation connection, and then try again. Notice: The inverter does not support 5GHz WiFi network.

# 5 Energy Management System

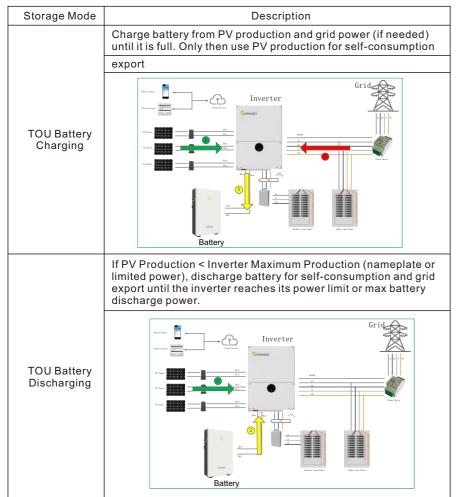
Notice: First time install the energy storage system, charge the battery for at least 1 hours or up to 60% SOC before powering off the system. This action will keep up the battery power to avoid running out while waiting for PTO.

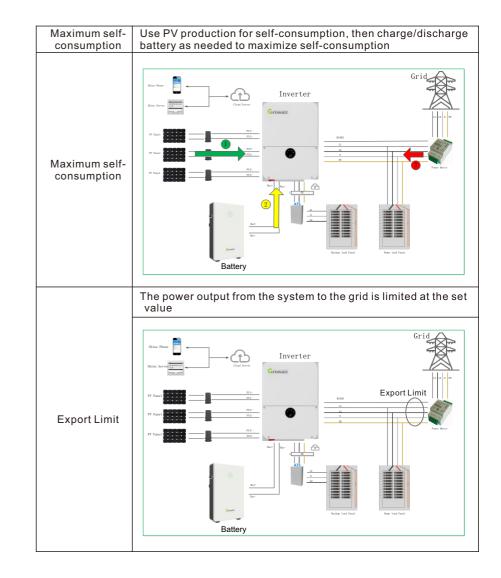
There is one way to charge the battery.

The method is to connect the AC output of the inverter to the grid without any PV input, turn on the AC charging function (5.2.3) and set the EMS mode of the system to TOU Battery Charging (5.2.5).

### 5.1 Management System Mode Introduction

The MIN 3000-11400TL-XH-US system provides four energy storage modes to choose.





#### 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 Battery type Setting

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

<	MIN TL-XH-US	#‼ 🗢 ■) Auto refresh	17:15 🖈	uti 🗢 🗰	17:15 <b>√</b>	배 후 🗭 k Setting Read
	0.0kWh	10.0kWh	< Quic	k Setting Read		k Setting Read
Generation (kWh)	Today		Network Type	>	Network Type	
Charged (kWh)	0.0kWh Today	0.0kWh	Power Sensor	None>	Power Sensor	None
Discharged (kWh)	0.0kWh Today	0.0kWh Total	Battery type	GROWATT Battery>	Battery type	GROWATT Battery>
Energy Exported to the Grid (kWh)	0.0kWh Today	0.0kWh Total	Voltage Level	240 V	Voltage Level	240 V
O Consumption (kWh)	0.0kWh Today	10.2kWh Total	EMS (j)	Battery First	EMS (j)	Battery First
Current Power Nomina	al Power Charging	Power Discharging Power	Enable AC Couple		Enable AC Couple	
	0.0W 0.0V		Battery Diagnosis	>	Batto	ATT Battery
Import & Export Powe	er: 0.0W	Dry contact	Output Mode	Split Phase		Battery
🔥 Fault 0	0	Warning 0	Time	2022-04-20 17:15:02	Time	Cancel 2022-04-20 17:15:02
E) Quick Setting	System Cenfiguration	Grid Code				
tas	Smart Diagnosis	+++ Perameters				

#### 5.2.2 AC Couple Setting

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

15:41 🖌		::!. 🗢 🔳	15:38 🕈	::	D 15:39 🕇	::!! 🗢 🔳
<	MIN TL-XH-US -Standby	Auto refresh	<	Quick Setting	Read <	Quick Setting Read
Generation	0.0kWh	10.0kWh	Network Type		> Network Type	
(kWh)	Today	Total	Power Sensor	N	one> Power Sensor	None
Charged	0.0kWh	0.0kWh				
<ul> <li>(kWh)</li> <li>Discharged</li> </ul>	Today 0.0kWh	Total 0.0kWh	Battery type	GROWATT Bat	tery> Battery type	GROWATT Battery
(kWh)	Today	Total	Voltage Level		10 V Voltage Level	240 V
Energy Exported to	0.0kWh	0.0kWh	voitage Level	24	voitage Level	240 V
(kWh)	Today	Total	EMS ()	Battery F	First EMS (i)	Battery First
O Consumption	0.0kWh Today	10.2kWh Total	Enable AC Couple		Enable AC Cou	
🔥 Fault 0	0	Warning 0	Time	2022-04-24 15:33	7:12 Time	Yes
Cuick Setting	System Configuration	<b>ö</b> Grid Code				
\$	$\odot$	<del>111</del>				
EMS	Smart Diagnosis	Parameters				

#### 5.2.3 AC Charging Setting

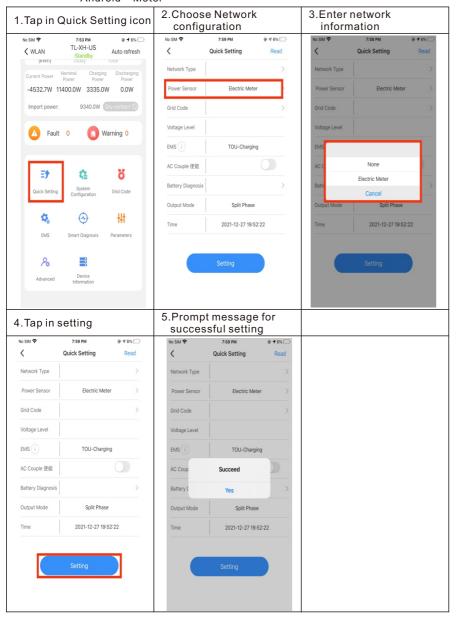
The AC charging is used to set whether to allow charging the battery from the Grid. Factory Default is Disabled.

1.Tap in Charge and Discharge Management	2.Find Enable A0 Charging	2	3.Tap in ON/OFF b	outton.
No SIM ♥ 7:53 PM @ 16%	No SIM 🗢 7:59 PM	<b>€ 1</b> 6% 🗋	No SIM 🗢 8:00 PM	@ 1 6% 💭
Current Power Power Power Power	Time Slot Priority Setting of Charge/Discharge	>	Time Slot Priority Setting of Charge/Discharge	>
-4532.7W 11400.0W 3335.0W 0.0W	Enable AC Charging		Enable AC Charging	
Import power: 9340.0W (Dry contact (S)	Charging Power Ratio	100% >	Charging Power Ratio	100% >
A Fault 0 🙆 Warning 0	Stop Charging SOC	100% >	Stop Charging SOC	100% >
	Dischrage Power Ratio	100% >	Disch Succeed	۲ 0% >
Quick Setting System Grid Code	Stop Discharging SOC	28% >	Stop D Yes	: 8% >
Configuration	Battery Mode Setting Self	Consumption >	Battery Mode Setting Self (	Consumption >
🎭 😌 📅				
EMS Smart Diagnosis Parameters				
≈ ≣				
Advanced Device Information				

#### 5.2.4 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



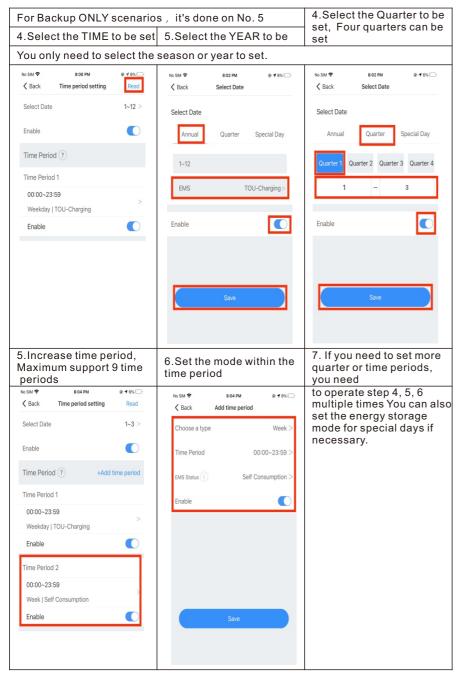
#### 5.2.5 EMS Mode Setting:

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 Slo	t 3.Create the date and to period.	tim
No SIM ♥ 7:53 PM @ 1 6% □	No SIM 🗢 7:59 PM		5% 🗁 ead
(kwn) rocar Current Power Nominal Charging Discharging Power Power Power	Time Slot Priority Setting of Charge/Discharge	> Select Date 1~1	12 >
-4532.7W 11400.0W 3335.0W 0.0W	Enable AC Charging	Enable	D
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	>
et 😫 🚺	Stop Discharging SOC	28% > Weekday   TOU-Charging	>
Quick Setting System Grid Code	Battery Mode Setting Self	Consumption >	D
🏩 😔 🚻			
EMS Smart Diagnosis Parameters			
≈ ≣			
Advanced Device			



### Battery Life Maintenance 6 (Important)

a) TUnplug Battery power, Battery Communication cables and turn OFF battery modules

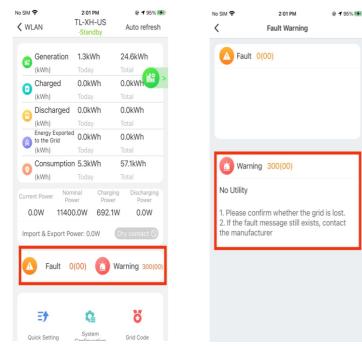
power (Check battery quick installation guide for the detail) . if the following conditions were met:

- $\blacktriangleright$  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

Fault code	Fault name	Possible cause	suggestion
Error 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>
Error 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>1.Immediately disconnect the DC switch and check the PV voltage.</li> <li>2.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.

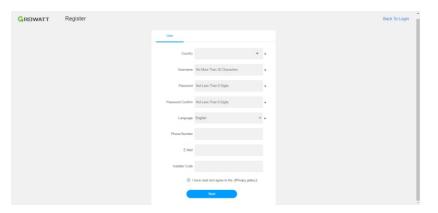
Account and plant information will be the same in both the web browser version and on the ShinePhone  $\mbox{App}.$ 

### 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.

GROWATT	* Add Plant ×	Welcome: #200US(Normal User.)	
	Installation Information		
	Plant Devel # 2000 Plant Installation PV Capacity(MMp) Installer		
	Plant Type Residential Plant *		
	2 Location Information		
8.	Country Please Choose	(¥)	
All Plants Residential	Time Zone UTC-12 • Longitude @ Latitude @ Plant Image Click.Lisitad	ance Insert Plant Name	
= status-NO.	Propuersman Ganggang	TEST for Marco	
• 120005-Wu		esi for Marco	
	Longiano Sector Lasian Nanh Villari Lasian Nan		
	Google Baser Park Baser Park Report Instruction Standard		
OkWh Today C	Image: Service of the constraint of the constraint database           Constraint of the constraint of the constraint database           Service of the constraint of the const	Ocw Current Power	
e.H	Bechlichy 12 Peak Rate 13 Standing Rate 11 Off-Peak Rate 10	= PVEL	
			■ <b> T</b> .

### 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

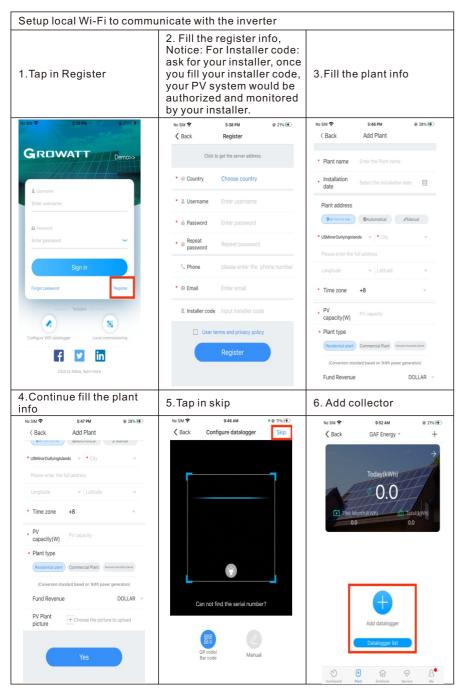
Search for ShinePhone from app stores, download the installation package, and install the ShinePhone app by following the instructions.the ShinePhone icon is displayed on the home screen.

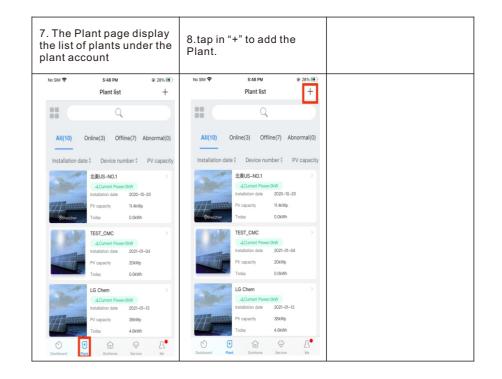


Fig 9.2 Icon of APP

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.





#### Growatt USA,Inc

9227 Reseda Blvd,#435 Northridge,CA 91324,USA.

- **T** 1(866) 686-0298
- E usaservice@ginverter.com
- W www.growatt-america.com