

ShineTools Guide

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I. ShineTools Description

ShineToolsisasmartAPPthatcouldrealizetheinvertersystemlocalcommissioning function via the smart phone. It communicates with the inverter through internal WiFi or datalogger to realize real-time status monitoring, alarm query, parameter configuration, intelligent diagnosis and other routine maintenance functions, is a convenient local configuration platform.

Real-timestatusmonitoring:Graspthereal-timestatusofinvertersanddataloggers timely;

Alarm query: There are easy-to-operate alarm function and flexible alarm display mechanismcouldhelpobtainfaultlocationinformationquickly, and convenience for

customers to take countermeasures timely, improve the efficiency of operation and maintenance.

Parameter configuration: Simple and safe parameter configuration, and one-stop unified configuration can be realized through the datalogger;

II. Commissioning Tools

There are three dataloggers could be used to realize the local commissioning function, please select the corresponding one according to your needs.

| Commissioning Tools | Description |
|---------------------|--|
| USB/232-WiFi | Suitable for all inverter devices |
| Shine WiFi-S/-X | Only support datalogger with 3.0.0.2/3.1.0.2 and above version |
| Direct WiFi | Only built-in -US inverters |

III . Shine WiFi-S/X Quick Installation Guide

• Electrical Connection ShineWiFi-S

Use a screwdriver to remove the waterproof metal sheet on the RS-232 interface of the photovoltaic device:

• WhenthespecificationoftheRS-232interfaceisshownas(A), settheDIPswitch 1 to the "ON" position, then dock the RS-232 interface of the ShineWiFi-S and the inverter and screw the ShineWifi-S to the inverter.

WhenthespecificationoftheRS-232interfaceisshownas(B),poketherubberplug onthewaterproof gasketwithascrewdriverfirstly,thendocktheRS-232interface of the ShineWiFi-S and the inverter and screw the ShineWifi-S to the inverter



• Electrical Connection ShineWiFi-X

- Rotatecounterclockwisetounscrewtheuppercoverofthephotovoltaicequipment USB interface;
- Rotatethedataloggerlockerontheupper, makesurethetriangleisonthefront side and in the middle

LED status

Working condition

ALL three LEDs are off

ShineWiFi-S/X not connected well with inverter USB port

Only Red LED flashes

• Connect the datalogger to the inverter USB port, make sure the triangle is on the front side, press the locker and rotate clockwise until it is tighten.



• Turn on the inverter and check the connection status

After installing the ShineWiFi-S/X module, turn on the inverter, then the red LED flashing indicates the inverter and ShineWiFi-X communication is normal for the first time installation.

• Description of LED status

| Only Green LED flashes | The communication between ShineWiFi-S/X, inverter and router is OK |
|------------------------|--|
| Only Blue LED flashes | The communication between ShineWiFi-S/X, inverter, router and server is OK |

IV . Scan the QR code to download and install the APP

Scan the QR codeor search for "ShineTools" in GooglePlay or Apple Store to download and install the APP;



Android & iOS



- Start the APP;
- Choose the end user or O&M account;
- Enter the account and password and log in;
- After login successfully, you can check the "Installation Manual."
- When you log in for the first time, the APP will display the welcome interface, you can click the "Do not remind again" to enter the next interface



① End User Login:

The initial password is: OSS + today's date (for example: 20220510), click Automatic Login to realize the next automatic login without entering anything. After logging in, you can change the password. If you forget your password, you can change your password in Forgot Password

| 19:23 | 🗢 🔳 | 19:24 🕇 | 🗢 🔳 | 19:23 🕇 | 🗢 🔳 |
|------------------|-----------------|--------------------------------|-------|-------------------|-----------------------|
| | | < Please select a product type | e | < Change | e password |
| ShineTools | S | Please select a product type | | | |
| | 0 | Single phase | | @ Please enter th | ne initial password 🕬 |
| End User | O&M User | MIC、MIN TL-X/XE | > | 🔒 Please enter a | new password 🛛 🧐 |
| | | MIN TL-XH | > | 🛱 Confirm passv | vord 👳 |
| Enter password | ~ | X Please enter a new password | | | |
| | | Setting login password | - 1 - | C | Yes |
| Automatic Log-in | Forgot password | | | | |
| Sign in | | Yes | | | |
| | | MAX TL3-X HV | > | | |
| | | -S/MTL-S/TL3-S | @ > | | |
| | | Storage | | | |
| | | SPA TL BL | > | | |
| | | SPA TL3 BH | > | | |
| - | : | SPH | > | 3. | |
| Logi | in | Set new passw | ord | Forget | Password |

❷ O&M User Login

For installer/distributor users, could use the OSS account to login the ShineTools APP, they also can click Automatic Login to realize the next automatic login without entering anything.



3 The difference between end users and O&M users

End users and O&M users have different permissions (for example: some parameters can not be set by the end users can; while O&M users can read and set.)

② USB/232-WiFi Commissioning Tool

- Select the USB/232-WiFi Chanel;
- Enter the Connection Tutorial, then click next step

• Scan or enter the SN of datalogger manually. If the datalogger has been connected, this step can be skipped

• Enter the Local Commissioning interface.



③ ShineWiFi-S/X Commissioning Tool

- Select the ShineWiFi-S/X Chanel;
- Enter the Connection Tutorial, then click next step
- Scan or enter the SN of datalogger manually, then choose the server.
- Connect with the Hotspot whose name consistent with the datalogger SN, then click the next step.
- Enter the Local Commissioning interface.

| Installation Manual | Connection Tutorial | Configure datalogger |
|---|---|---|
| Please select a debugging tool | Step 1 /4 Short press the datalogue button to enter the hotspot mode | |
| USB/232-WiFi > | Step 2 /4 Please make sure the blue LED of the datalogger is always on | |
| ShineWiFi-S/X (Only supports datalogger with version 3.0.0.2 / 3.1.0.2 or above) | Scan the Office de to identify the hotspot name | |
| Direct WiFi (MIN TL-XH-US) | Next | Can not find the serial number? |
| | | |
| K Manual | Cocal Commissioning | Please select a product type Please select a product type |
| < Manual | Local Commissioning | Please select a product type Please select a product type Single phase |
| KN:0123456789 | Confirm that the serial number of the datalogger is consistent with the name of the hotspot which mobile phone connected with. | Please select a product type ··· Please select a product type Single phase MIC, MIN TL-X/XE > MIN TL-XH > |
| K Manual | Confirm that the serial number of the datalogger is consistent with the name of the hotspot which mobile phone connected with. Serial SUD09020AC | Please select a product type ··· Please select a product type ··· Bingle phase ··· MIC, MIN TL-XIXE > MIN TL-XH > Three phase ··· |
| Kanual | Confirm that the serial number of the datalogger is consistent with the name of the hotspot which mobile phone connected with. Serial Number SUD09020AC Understand | Please select a product type ··· Please select a product type ··· Single phase · MC, MIN TL-X/XE > MIN TL-XH > Three phase · MOD MID MAC > MOD TL3-XH > |
| Kanual Image: SN-50123456789 sn Serial Number Please enter SN | Confirm that the serial number of the datalogger is consistent with the name of the hotspot which mobile phone connected with. Serial SUD09020AC Number Hotspot name | Please select a product type ··· Please select a product type ··· Single phase ··· MiC, MIN TL-X/XE >· MIN TL-XH >· Three phase ··· MOD MID MAC >· MOD TL3-XH >· MAX TL3LV/MV >· |
| Manual Image: Strictlight of the strictlight | Confirm that the serial number of the datalogger is consistent with the name of the hotspot which mobile phone connected with. Serial Number SUD09020AC Hotspot name SUD09020AC Go to set > | Please select a product type ··· Please select a product type Please select a product type Bingle phase //////////////////////////////////// |
| Manual Image: SN:0123456789 SN:0123456789 SN Serial Number Please enter SN Server domain name Please select the server domain name Please select the server domain name Which the datalogger belongs to | Confirm that the serial number of the datalogger is consistent with the name of the hotspot which mobile phone connected with. Serial Subport Number Hotspot name SUD09020AC | Please select a product type ··· Please select a product type ··· Single phase ··· MC, MIN TL-X/XE >· MIN TL-XH >· Three phase ··· MOD MID MAC >· MAX TL3LV/MV >· MAX TL3LV/MV >· -S/MTL-S/TL3-S ··· |
| Manual SN:0123456789 SN:0123456789 SN:0123456789 SN:0123456789 SN:0123456789 SN:0123456789 Serial Number Please enter SN Server domain name Please select the server domain name Please select the server domain name | Cocal Commissioning Constraint has the serial number of the dataloggers is consistent with Constraint has the serial number of the dataloggers is consistent with Constraint Serial Mumber Hotspot name SUD09020AC Constraint | Please select a product type ••• Please select a product type ••• Single phase •• MIC, MIN TL-X/XE •• MIN TL-XH • Three phase •• MOD MID MAC • MOD TL3-XH • MAX TL3LV/MV • MAX TL3-X HV • -\$9/MTL-\$/TL3-8 • Storage • |
| Kanual Image: Sin:Si123456789 Sin:Si123456789 Image: Sin:Si123456789 Serial Number Please enter SN Server domain name Ves | Cocal Commissioning Cocal Commissioning Confirm that the serial number of the datalogger is consistent with Confirm that the serial number of the datalogger is consistent with Serial Number Hotspot name SUD09020AC Next | Please select a product type ••• Please select a product type Single phase > MiC, MIN TL-X/XE > > MIT TL-XH > > Three phase > MOD MID MAC > > MOD TL3-XH > > MAX TL3LV/MV > > Signage > Storage SpATL BL > |
| Kanual Image: Distribution of the server domain name which the datalogger belongs to | Cocal Commissioning Cocal Commissioning Confirm that the serial number of the datalogger is consistent with the mobile phone connected with? Serial Number Entospot name SUD09020AC Coot oset > Noxt | Please select a product type ••• Please select a product type Single phase Mid, Min TL-XXE > Min TL-XA > Three phase > MOD MID MAC > MOD TL3-XH > MAX TL3LV/MV > MAX TL3LV/MV > SpArtLSTL3-S > Storage SpArtL3BH > |

④ Direct WiFi Commissioning Tool

- Select the Direct WiFi Chanel;
- \bullet Select the hotspot consistent with the inverter serial number to connect
- Enter the Local Commissioning interface.

| 26 Insta | Illation Manual | 3:26 - | WLAN | * = | 3:26 4 • ShineTools < Sottings | | 3:28 - | cal Commissio | ning Autorefres |
|--|-----------------|---------------|----------------|-------------|--------------------------------------|----------------|------------------------------------|-------------------------|-------------------------------|
| | | | | | | | Power General | en 0.0kWh | 0.0kWh |
| Please select a debugging | g tool | | | | WLAN | | (KWh) Energy Charged | Tricking | Total |
| | | | | | Tenda_DA8BB0 | ۵ 🕈 🚯 | (KWh) Enaroy Dischard | Tuday | Total |
| USB/232-WiFi | * | | | | MY NETWORKS | | (KWh) | Tutter | Tedal |
| | | Committe Com | increased MAPT | | TAG1234560 | ۵ 🗢 🖬 | (3) the Grid (KWh) | Titclay | D.DKWh Total |
| ShineWiFi-S/X (Only supports datalogger | with > | Currently Con | enected with | | OTHER METWORKS 21 | | Trom the Load (KWh) | 0.0kWh | 0.0kWh fittal |
| version 3.0.0.2 / 3.1.0.2 or i | above) | Tenda_DA5B | 80 | Go to set > | ASUS | # ₹ (1) | Current Power Rate | nd Power Changing | Power Discharging Peaker |
| Direct WiFi (MIN TL-XH-US) | | | | | Godzina | | Import & Export Po | wer: 0.0W | (Diversities) of |
| | | | Next | | GuRul-Wifi | ÷ = () | C Fault | | Warning 0 |
| | | | | | Ones | • = ① | • | | |
| | | | | | PRM-GNXN | • * (j) | =* | 0 | 8 |
| | | | | | Tenda | . 🗢 🕦 | Quick Setting | System Configuration | Grid Code Paramete Setting |
| | | | | | Tenda_5G | • • ① | 0. | 6 | +4+ |
| | | | | | Tenda_DA8BB0_50 | a 🔹 🕕 | Charge and Discharge Management | . Smet Diagnosis | Parameters |
| | | | | | TP-LINK_C630B0 | ۵ 🗢 🚯 | 8 | = | |
| | | | | | WLAN1-BA0742 | a = () | Advancad | Davies Infermation | |
| × | | | | | 20122.11 | | - | | _ |

(5) Supported devices

| Supported devices | |
|-------------------|------------------|
| Single phase | MIC, MIN TL-X/XE |
| | MIN TL-XH |
| | MOD MID MAC |
| | MOD TL3-XH |
| Three phase | MAX TL3 LV/MV |
| | MAX TL3-X HV |
| -S MTL-S/TL3-S | |
| | SPA TL BL |
| Storage | SPA TL3 BH |
| | SPH |
| | SPH TL3 BH |
| | SPH TL BL-US |
| Direct WiFi | MIN TL-XH-US |

6 Commissioning of TL-XH-US

Take TL-XH-US as example to introduce the APP function.

● Local Commissioning for TL-XH-US

- Local Commissioning> Quick Setting> Configuration;
- Choose the network configuration method _WiFi;
- Select/fill network, enter the password, and select the server address;
- Click to connect to the network.

| < | MIN TL-XH-US Standby | Auto refresh | < Quic | k Setting Read | < | Configure the ne | etwork | Network | | 0.1451 |
|--|--|--------------------------------------|-------------------|---------------------|------------------------------------|---------------------|--------|--------------|------------------------|--------|
| Generation (kWh) | 0.0kWh Today 0.0kWh | 0.0kWh Total 0.0kWh | Network Type | > | Network configuration method | O WIFI | O LAN | method | WIFI | |
| (kWh) Discharged (kWh) | Today 0.0kWh Today | Total 0.0kWh Total | Power Sensor | Electric Meter> | 🛜 Enter | name of router | ~ | | | |
| Energy Exported the Grid (kWh) Consumptio (kWh) | n 0.0kWh Today n 0.0kWh Today | 0.0kWh Total 0.0kWh Total | Battery type | GROWATT battery> | 🔒 Enter | the router password | ø | <u> </u> | | ø |
| Current Power Nom 0.0W 50 | ninal Power Charging | Power Discharging Power V 0.0W | Voltage Level | 208 V | | | | Server addre | SS | |
| Import & Export Po | ower: 0.0W | Dry contect S | EMS (i) | Battery First | Server addr | ess | | Se | 0 | |
| A Fault | 0(00) | Warning 401(01) | Enable AC Couple | | | er nostriame | | | 1% | |
| E) Quick Setting | System Configuration | Grid Code | Battery Diagnosis | > | Please ent | er Server | ~ | Cor | nfiguring, please be p | atient |
| Constant Con | Smart Diagnosis | 114 Parameters | Output Mode | Split Phase | | | | | Cancel | |
| Advanced | Device Information | | Time | 2020-01-01 10:25:46 | | Connect to the Int | rernet | | Connect to the Inter | net |

Tips:

- The router name and password cannot contain space characters;
- Only support English input mode characters;
- (1) Supported punctuation: (.,?!:@;+=#/()_-`^*&..\$<>[]{})
- (2) Unsupported punctuation: ($\overline{} \cdots \cdot \in \ensuremath{'''}$)

2 Functions Introduction

There are Quick Setting, System Configuration, Grid Code, EMS, Smart Diagnosis, Basic Parameters, Advanced and Device Information chanel for TL-XH-US series.

| | -Standby | Autorenes |
|--|--|--|
| Generation | 0.0kWh | 0.0kWh |
| (kWh) | Today | Total |
| Charged | 0.0kWh | 0.0kWh 🖳 |
| (kWh) | | Total |
| Discharged | 0.0kWh | 0.0kWh |
| (kWh) | Today | Total |
| Energy Exported the Grid | to 0.0kWh | 0.0kWh |
| (kWh) | | Total |
| Consumption | 0.0kWh | 0.0kWh |
| (kWh) | Today | Total |
| 0.0W 500 sport & Export Pov | 00.0W 0.0 ver: 0.0W D(00) 🙆 | W 0.0W Divisionant (S Warning 401(01 |
| 0.0W 504 oport & Export Pov | 0.00 0.0 ver: 0.0W | W 0.0W Dry contact S Warning 401(01 |
| 0.0W 500 Iport & Export Pov | 0.00 0.0 ver: 0.0W 0(00) (3) | W 0.0W Div contact (S) Warning 401(0* |
| 0.0W 500 port & Export Pov Fault (E) Ouick Setting | 00.0W 0.0 ver: 0.0W 0(00) © Configuration | W 0.0W Dry contact S Warning 401(0' S Orid Code |
| 0.0W 501 aport & Export Pov Fault (E) Quick Setting \$ | 0.00W 0.0 ver: 0.0W 0(00) 0 System Configuration | W 0.0W Dry Contact C Warning 401(0' B Oris Code |
| 0.0W 504 port & Export Pov Fault (Cuick Setting EMS | 00.0W 0.0 ver: 0.0W 0(00) O System Configuration G System Configuration | W 0.0W Dry contact of Warning 401(0r Orid Cote Hit Parameters |
| 0.0W 504 port & Export Pov | 00.0W 0.0 ver: 0.0W (00) Configuration Configuration Smart Diagnosis | W 0.0W Dry context C Warning 401(0) Crid Code Hit Parameters |

• Quick Setting: Include some commom functions for the PV system installation, like voltage level, sensor type. For other regions, the AFCI control will be also listed here

| < | Quick Setting | Read |
|-----------------|---------------|-----------------|
| Network Type | | > |
| Power Sensor | E | Electric Meter> |
| Battery type | GROV | WATT battery> |
| Voltage Level | | 208 V |
| EMS (i) | | Battery First |
| Enable AC Coup | ple | |
| Battery Diagnos | sis | > |
| Output Mode | | Split Phase |
| Time | 2020-01 | -01 10:25:46 |

• System Setting: this chanel is about the system control, you can control the inverter ON/OFF, change the active power or export limitation setting, also include the dry contact setting, AFCI, and the function relevant to the system output.

| < | System Setti | ng |
|-----------------------------------|--------------|---------------------|
| Inverter Power On | Off | |
| Active Power % | | > |
| PV Input Mode | I | ndependent MPPT $>$ |
| Export Limitation S | etting | > |
| Dry Contact Funct | ion | > |
| Enable N-PE Detection Functior | 1 | |
| Off-Grid Function | | > |
| AFCI Function | | > |

● Grid Code: Which is used to change the grid parameters, some region has special requirement besides the normal safety standard, the installers need to change the frequency/voltage limit, PF value or reset the LVRT setting personally, it is mainly for qualified electrical technicians, the end users can not change.

| < Grid Code | |
|----------------------------|---|
| Voltage ride through (i) | > |
| Frequency ride through (i) | > |
| Ramp Rate | > |
| Frequency/Watt | > |
| Voltage/Watt | > |
| Voltage/Var | > |
| Synchornization Range | > |
| PF setting | > |

• EMS Chanel: Customers can choose the battery charge and discharge mode and the corresponding time period (support up to nine periods)

| < ems | |
|--|----------------------------------|
| Time Slot Setting for Charge/ Discharge Priority Mode | > |
| Enable AC Charge | |
| Charge Power Ratio % | 100% > |
| Stop Charging SOC | 100% > |
| Discharge Power Ratio % | 100% > |
| Stop Discharging SOC | 5%> |
| Battery Mode Setting | can not set the > battery mode > |

• Smart Diagnosis: Include Smart I-V Curve Scan, Abnormal Waveform Record, Real-time Waveform Record and One Click Diagnosis



• The Basic Parameters channel shows the basic information, include the Grid Code standard, COM Address, etc,.

| < Para | meters |
|-----------------------|----------------------|
| Grid Code | IEEE1547-208 > |
| COM Address | 1> |
| Baud Rate Selection | 9600> |
| Time | 2020-01-02 07:34:51> |
| Modbus Version | 305 |
| Fan Check | |
| Total Generation Edit | 0.0kWh |
| Clear History Data | Don't clear > |
| Reset | Doesn't recover > |
| Model Setting | > |

• The Advanced channel is for the O&M users, they can read or set parameters according to the register address.

| < | Advanced Set |
|-------------------|--------------|
| Command Type: | |
| Please input | |
| Register Address: | |
| Please input | |
| Length/Data: | |
| Please input | |
| | |
| | |
| | Start |
| | |

• Device Information: customers could see the device information, like parameters about the DC/AC sides, information about battery and off-grid output, and the device version, which is helpful for the after sales service. And the remote upgrade function could be realized here(for 0&M users)

| C Device Information | | C Device upgrade | V Please select an upgrade package |
|------------------------------------|--------|------------------|------------------------------------|
| PV Voltage/Current/Power | \sim | Inverter upgrade | Inverter |
| AC Voltage/Frequency/Current/Power | ~ 1 | Current version: | Current version: |
| Off-grid parameter | > | | Please select an Choose another |
| Battery Parameter | > | | upgrade package upgrade package |
| Internal Parameter | ~ | | |
| About Inverter | ~ | | |
| Version Upgrade | ≥′ | | |

•Firmware Upgrade

Once the ShineTools APP connect with the inverter, the inverter's firmware version will be checked. If it is not the latest one, the APP could take the upgrade. There are two methods for the local upgrade.

Auto upgrade: When the datalogger's hotspot is selected, once customer chooses the inverter, the inverter's firmware version will be checked. If it is not the latest one, there will be a pop-up:The current inverter version is too low, whether to upgrade the inverter version. If click the update, the inverter will upgrade, if cancel the process, customer also can upgrade the inverter in the [Device Information] channel.

Manual upgrade: If the latest version of the upgrade package has been downloaded locally, you can also select the package device upgrade in [Device Information], and click [Auto Upgrade] to select the installation package that needs to be upgraded in the [Device Information].

| | And Innear | 1 | • Upgrade | Auto refresh | | | | |
|---|-----------------|---|--|-----------------|------------|--|---|--|
| Generation 0.0 (kWh) Today | 593.3 | Generation (kWh) | 0.0 Tindey | 593.3 Total | | | | |
| Charged 0.0 (kWh) Tuday | 30.7 | Charged (kWh) | 0.0 Today | 30.7 Tend | | | | |
| Note | | Discharged | 0.0 | 30.3 | | 194 | Desente | 00 Cancal |
| to upgrade the inverter version? | o low, whether | - Upgrading/ | 1/4) | | | Q, Search | HOCOTAS | 00 Canoo |
| current version | | (C opgrading(| (14) | | | | | |
| DNaa035101ZBda55 | | | | 0% | | zip | zip | zip |
| Latest version | | C Please kee | p the current page upgrade process | during the | | DNas04990128d a56-C.20 3V28(22 317 KB | DNax04000028d a56-C.2ip 0/10/22 267 KD | DNas0499012Bd a67-C.2ip 0/7/22 010 KB |
| DNaa049901ZBda56-0 | C rong | | Cancel | ing | | zip | zip | zip |
| Cancel | Update | 0.0W 10 Import & Export Powe | 000.0W 0.0V | v o.ow | | DNas03510128da 56-028 2224/22 299 KR | DNas03000028d a55-C.zlp 2/28/22 265.KD | UEAA0302022AC A03-U.20 U2022 23140 |
| Fault 302(00) | Warning (0(00) | Seult 3 | 12(00) | Varning O(00) | | Zip | zip | zip |
| | 114 | | ~ | 114 | | ALBAD10701ZABA 10-U.2ip 1/10/22 | ALBA020101ZABA 11-U.2/p 1/10/22 | UEAA030000ZAC A03-U.20 |
| | | | | | | | | |
| Device Inform | ation | < Please s | select an up | ograde package | | Processes | | Broom |
| Device Inform | nation ~ | < Please s | select an up | ograde package | | Second Second | | Broose |
| Device Inform Voltage/Current/Power Voltage/Frequency/Current/i | nation | < Please s | select an up | ograde package | | 9 Facebra | 48 ≠ | Broos |
| Device Inform Voltage/Current/Power Voltage/Frequency/Current/I | Power V | Please s Inverter Current version | select an up | ograde package | | 9 16: < | 48 -7 Picase sele erter | ect an upgrade |
| Device Inform Voltage/Current/Power Voltage/Frequency/Current/i -grid parameter | Power > | Please s Inverter Current version Please select a | select an up n: | ograde package | her | Second Annual Cu | 48 √ Please sele erter rrent version: | Erose |
| Device Inform Voltage/Current/Power Voltage/Frequency/Current/fi -grid parameter tery Parameter | Prover > | Please s | select an up n: In Ige | Dograde package | her | | 48 -7 Picase sele erter rrent version: ase select an grade package | ct an upgrade |
| Device Inform Voltage/Current/Power Voltage/Frequency/Current/i grid parameter tery Parameter ernal Parameter | Prover > | Please select a upgrade packa DNa049901Z | select an up n: in ige Bda56-C.zip | Dograde package | her age | Contraction of the second seco | 48 7 Please sele erter rrent version: ese select an grade package sea0499012Bde | ect an upgrade 56-C.zip |
| Device Inform Voltage/Current/Power voltage/Frequency/Current/P -grid parameter erral Parameter erral Parameter out Inverter | Power > | Please s Inverter Current version Please select a upgrade packa DNaa0499012 | select an up n: in ige Bda56-C.zip | ograde package | her age | Paor Minu Ca | 48 4 Please sete erter rrent version: ase setect an grade package lawo04990728da The current invert | et an upgrade 66-C.20 Note the hypertext |
| Device Inform Voltage/Current/Power C: Voltage/Frequency/Current/P f-grid parameter ttery Parameter ternal Parameter out Inverter | Power > > > > > | Please s Inverter Current version Please select a upgrade packa DNaa0499012 | n: In Ige Bda56-C.zip | ograde package | her ige | | 48 -7 Please sole erter grad package asserted tan grad package (ass0400012Bda Current ventor: Current ventor: Target ventor: Target ventor: | et an upgrade act an upgrade see-C.zb Note be the invester veels |

The parameters setting are varying for different inverter(PV inverter and storage inverter), please setting according to detailed interface.

| 16:03 🕈 | | 🕈 📭 | 16:03 🕈 | | 🗢 📭 | 4:10 🕈 | | ···· ? [[9] |
|-------------------------------|-------------------------|--------------|--|-------------------------------|----------------------------|---|------------------------------|----------------------------|
| < | MOD MID MAC Standby | Auto refresh | < | MIN TL-XH Standby | Auto refresh | < | SPH | Auto refresh |
| Energy | 0.0kWh Today | 0.0kWh | Generation | 0.0kWh | 0.0kWh | Energy | Today | Total |
| Rower | 0.0W | 5000.0W | Charged (kWh) | 0.0kWh | 0.0kWh | Generation Charged | 0.0kWh 0.0kWh | 0.0kWh |
| A Fault 0 | 🙆 Wa | ning Q > | Discharged (kWh) Energy Exported to the Grid | 0.0kWh Today 0.0kWh | 0.0kWh Total 0.0kWh | O Discharged | 0.0kWh 1 0.0kWh 0.0kWh | 0.0kWh 0.0kWh 0.0kWh |
| Et | C. | 441 | Consumption (kWh) | 0.0kWh Today | 0.0kWh | O Consumption | 0.0kWh | 0.0kWh |
| Quick Setting | System Configuration | Parameters | Current Power Nomina | al Power Charging | Power Discharging Power | Current Power | (F) Charging Power | Discharging Power |
| ö | \odot | 20 | Import & Export Powe | er: 0.0W | (Thy contact: (5) | Simport & Export Pe | wer: 0.0W | 0.0W |
| Grid Code | Smart Diagnosis | Advanced | A Fault 0 | 0 | Warning 0 | 6 Fault | | |
| Auto test (only for italy) | Device Information | | E) Quick Setting | System | 414 Tel | Cuick Setting | System Configuration | Basic Setting |
| | | | 8 | ۵. | • | Grid Code | tit EMS | Po Advanced |
| | | | Grid Code | EMS | Smart Diagnosis | | | |
| | | | 20 | | | Auto test (only for italy) | Device Information | |
| | | | Advanced | Auto test (only for Italy) | Device Information | | | |

⑧Fault Warning

When the device has faults and warnings, the fault/warning codes and corresponding solution will appear on the page.

