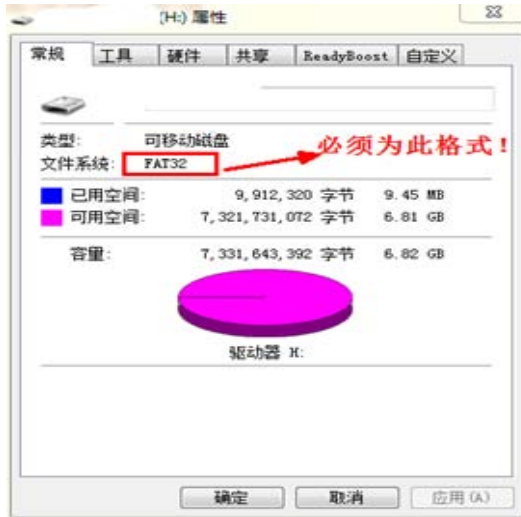


ARK 2.5L-A1 Battery Update Guidelines

1 USB flash disk Update

1) Confirm that the format of the USB flash drive is FAT32.

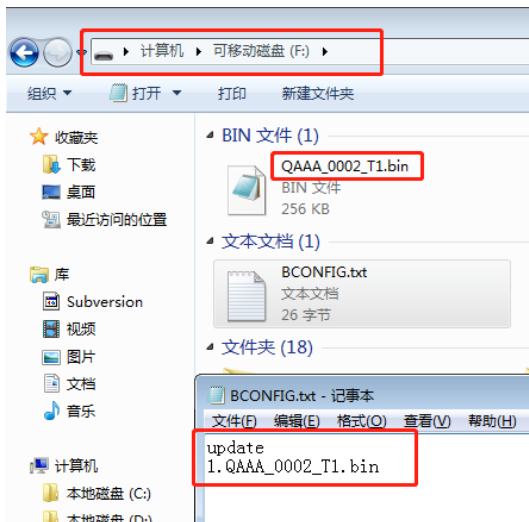


2) Create a new BCONFIG.txt file and place this file in the root directory of the USB flash disk. The file configuration content is as follows:

First line: update

Second line: 1. File name. File type

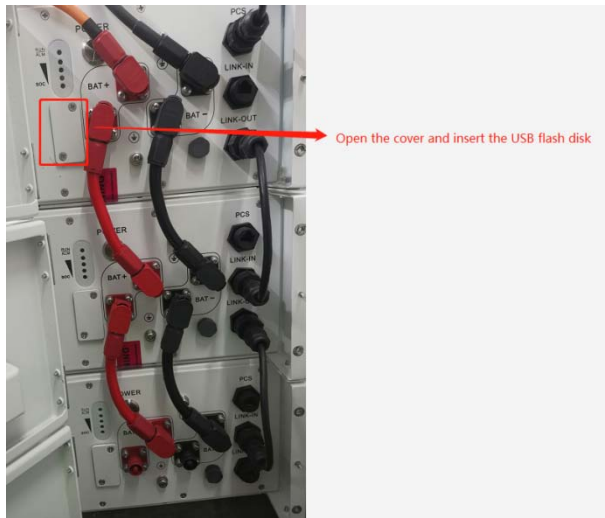
※Please ask our after-sale engineer for update file/update file version



3) After the USB flash disk is configured with the update file, plug it into the battery host (the battery that communicates with the inverter) or the inverter USB connect or.

Way one : Plug the USB flash disk into the USB connector of the battery host:

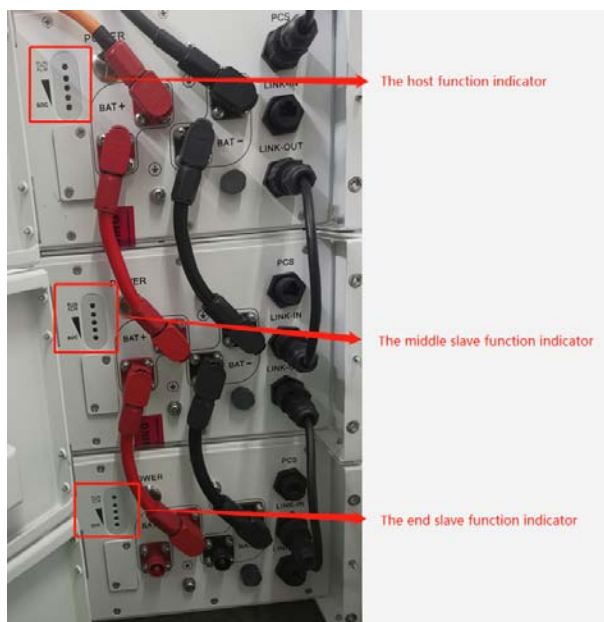
USB connector of Battery host :



The host function indicator (the first indicator) flashes green quickly;

The middle slave function indicator (the first indicator) flashes green quickly;

The end slave function indicator (the first indicator) flashes green quickly;



Way Two : Plug the U disk into the USB connector of the inverter:

USB connector of inverter:



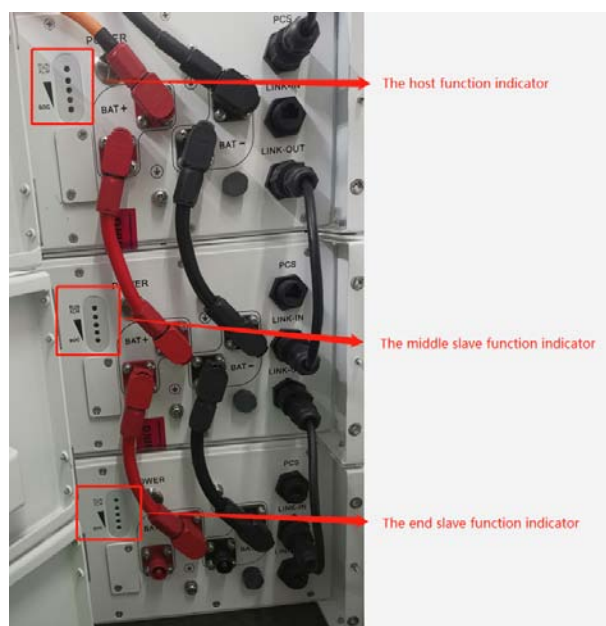
The inverter function indicator flashes, and the LCD screen displays :'Programing';

LCD screen displays:'Programing OK';

The host function indicator (the first indicator) flashes green quickly;

The middle slave function indicator (the first indicator) flashes green quickly;

The end slave function indicator (the first indicator) flashes green quickly;



4) All battery function indicator lights (the first indicator light) flash red quickly, and the battery restarts after flashing, and the upgrade is successful.

2 Online Update

a) Log in to the website <http://update.growatt.com/>, open the upgrade interface, login password: update+date, example: update20201010.

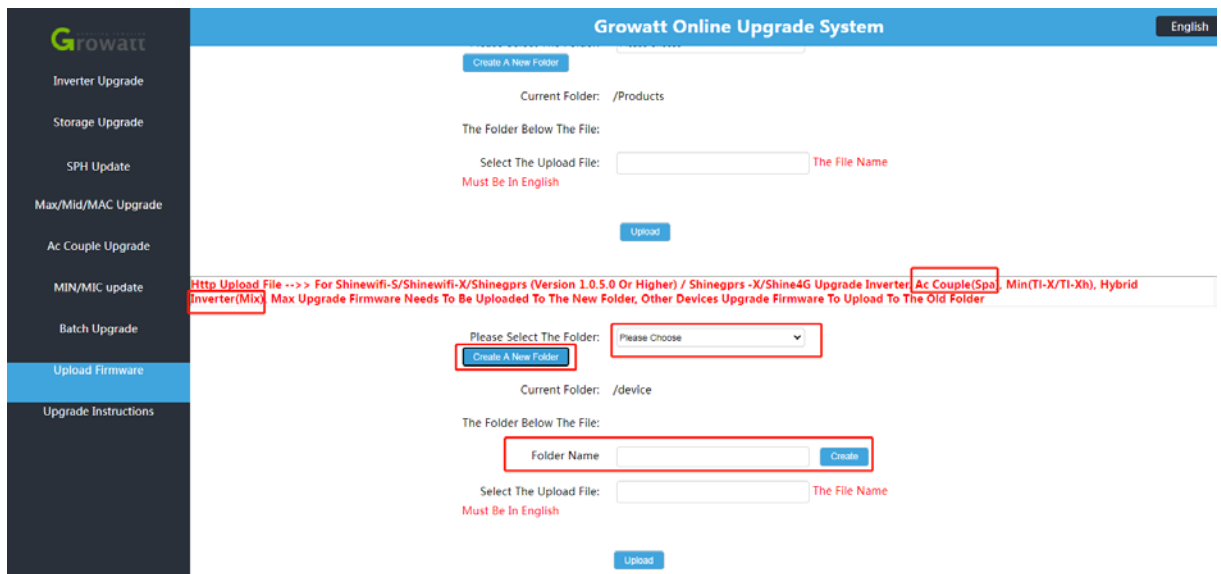
b) Upload Firmware.

Step 1: Choose to upload firmware, manual upload;



The screenshot shows the 'Growatt Online Upgrade System' interface. On the left, a dark sidebar contains a list of upgrade options: Inverter Upgrade, Storage Upgrade, SPH Update, Max/Mid/MAC Upgrade, Ac Couple Upgrade, MIN/MIC update, Batch Upgrade, Upload Firmware (highlighted with a red box), and Upgrade Instructions. The main content area has a blue header with the Growatt logo and 'English' language selector. Below the header, it says 'Please select firmware upload mode'. There are two numbered steps: '1. Enter The Datalogger Serial Number Of The Device To Be Upgraded:' with an input field and a 'Confirm' button; and '2.' with a 'Manual upload' button highlighted by a red box.

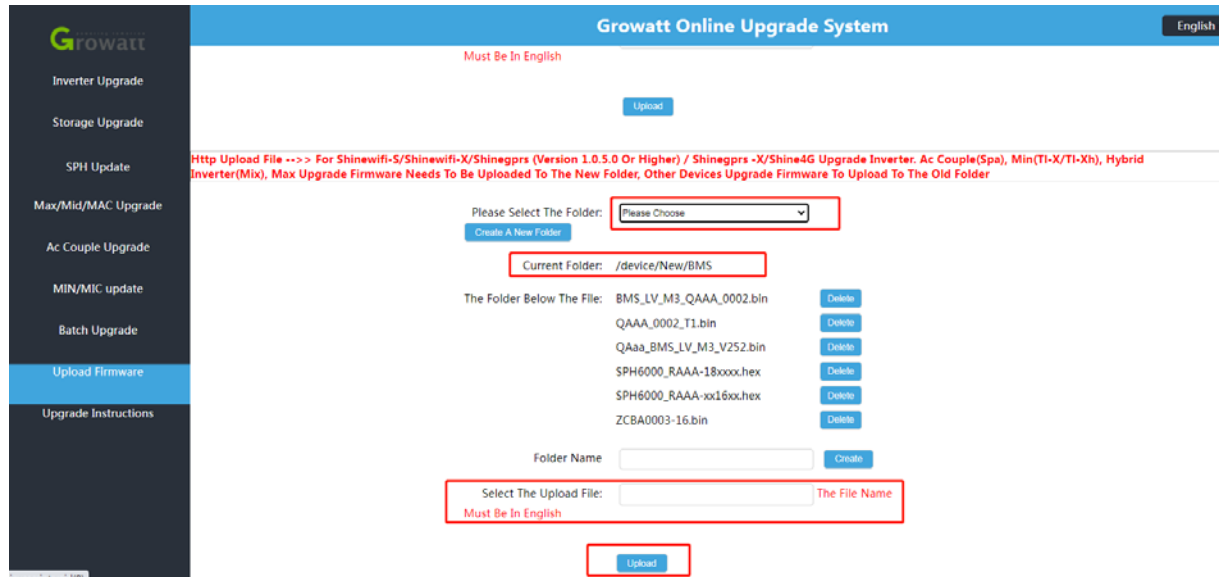
Step 2: Select the path to create the file: /device/New/BMS



The screenshot shows the 'Growatt Online Upgrade System' interface for file selection. The sidebar on the left is the same as in the previous screenshot, with 'Upload Firmware' highlighted. The main content area has a blue header with the Growatt logo and 'English' language selector. Below the header, there is a 'Create A New Folder' button. The current folder is '/Products'. The 'The Folder Below The File:' section has a 'Select The Upload File:' input field with a red box around it, and a 'The File Name' label. Below this is an 'Upload' button. A red box highlights a red error message: 'Http Upload File -->> For Shinewifi-S/Shinewifi-X/Shinegprs (Version 1.0.5.0 Or Higher) / Shinegprs -X/Shine4G Upgrade Inverter Ac Couple(Spa Min(TI-X/TI-Xh), Hybrid Inverter(Mix) Max Upgrade Firmware Needs To Be Uploaded To The New Folder, Other Devices Upgrade Firmware To Upload To The Old Folder'. Below this, the 'Please Select The Folder:' section has a 'Please Choose' dropdown menu with a red box around it, and a 'Create A New Folder' button. The current folder is '/device'. The 'The Folder Below The File:' section has a 'Folder Name' input field with a red box around it, and a 'Create' button. Below this is a 'Select The Upload File:' input field with a red box around it, and a 'The File Name' label. Below this is an 'Upload' button.

Step 3: Select the created file path '/device/New/BMS' to upload the battery BIN file

※Please ask our after-sale engineer for update file/update file version

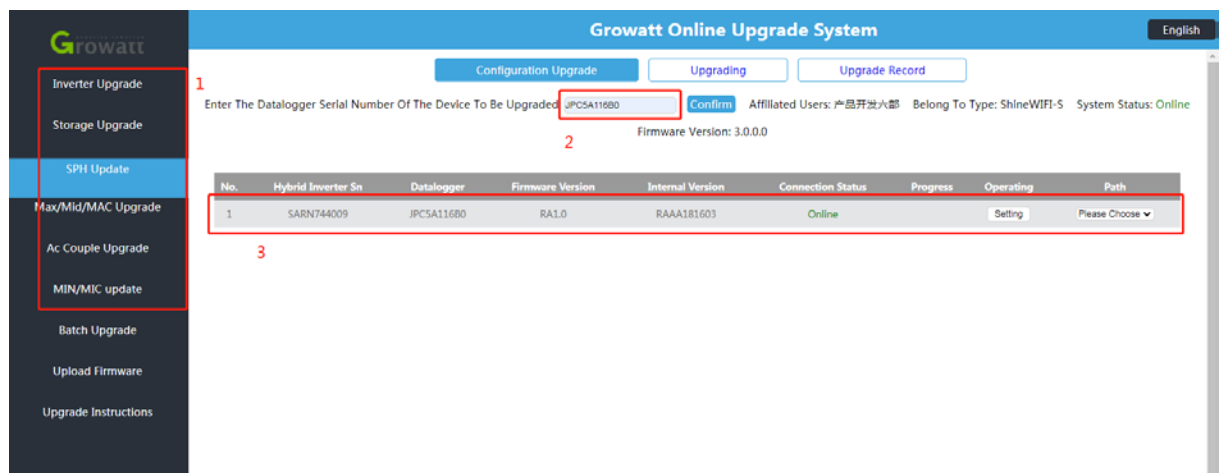


c) Upgrade battery.

Step 1: Choose the inverter model

Step 2: Enter the serial number of the datalogger

Step 3: Confirm the inverter serial number and datalogger serial number



Step 4: Select the file path : '/device/New/BMS/battery bin file'

Growatt Online Upgrade System

Configuration Upgrade | Upgrading | Upgrade Record

Enter The Datalogger Serial Number Of The Device To Be Upgraded: JPCSA11680 Affiliated Users: 产品开发六部 | Belong To Type: ShineWIFI-S | System Status: Online

Firmware Version: 3.0.0.0

No.	Hybrid Inverter Sn	Datalogger	Firmware Version	Internal Version	Connection Status	Progress	Operating	Path
1	SARN744009	JPCSA11680	RA1.0	RAAA181603	Online		Setting	<div style="border: 1px solid red; padding: 2px;"> Please Choose Please Choose New Old </div>

Step 5: Set up update

Growatt Online Upgrade System

Configuration Upgrade | Upgrading | Upgrade Record

Enter The Datalogger Serial Number Of The Device To Be Upgraded: JPCSA11680 Affiliated Users: 产品开发六部 | Belong To Type: ShineWIFI-S | System Status: Online

Firmware Version: 3.0.0.0

No.	Hybrid Inverter Sn	Datalogger	Firmware Version	Internal Version	Connection Status	Progress	Operating	Path
1	SARN744009	JPCSA11680	RA1.0	RAAA181603	Online		Setting	BMS-LV-UB-RAAA-000000

Growatt Online Upgrade System

Configuration Upgrade | Upgrading | Upgrade Record

Enter The Datalogger Serial Number Of The Device To Be Upgraded: JPCSA11680 Affiliated Users: 产品开发六部 | Belong To Type: ShineWIFI-S | System Status: Online

Firmware Version: 3.0.0.0

No.	Hybrid Inverter Sn	Datalogger	Firmware Version	Internal Version	Connection Status	Progress	Operating	Path
1	SARN744009	JPCSA11680	RA1.0	RAAA181603	Online	Upgrade setup is successful, waiting for upgrade progress report.	Upgrade	Cancel /deviceNew/BMS/BUS_LV

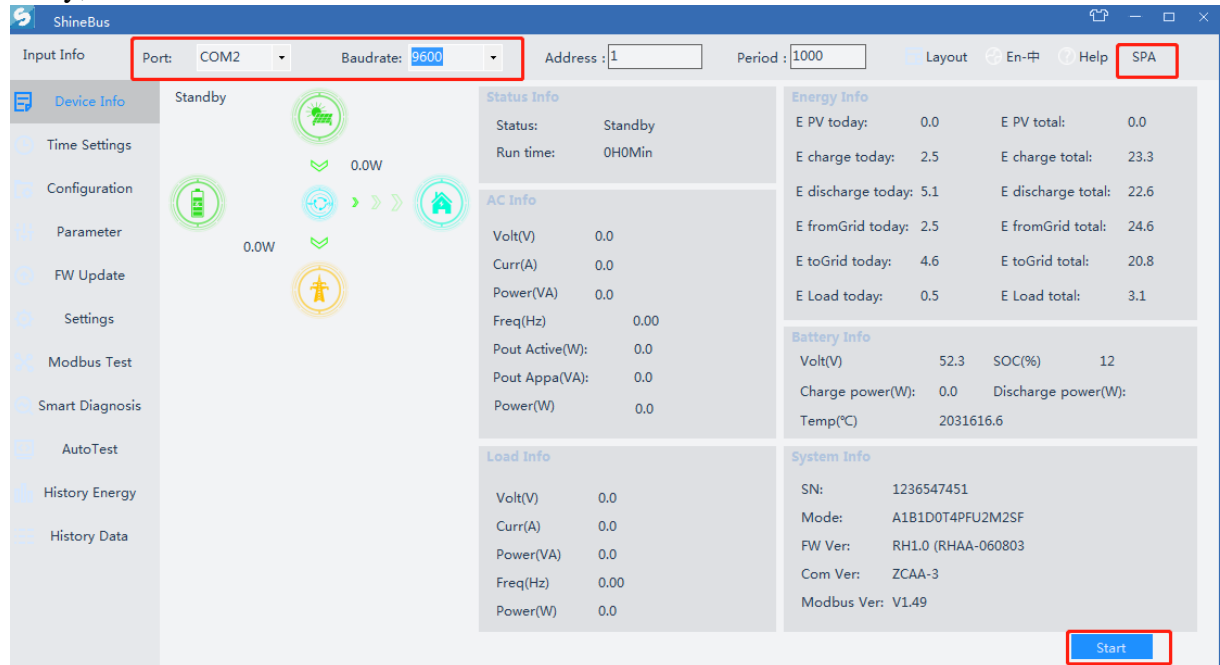
Step 6: The file is successfully issued, confirm the success of the upgrade.

The screenshot displays the 'Growatt Online Upgrade System' interface. On the left is a dark sidebar with the Growatt logo and a list of upgrade options: Inverter Upgrade, Storage Upgrade, SPH Update (highlighted in blue), Max/Mid/MAC Upgrade, Ac Couple Upgrade, MIN/MIC update, Batch Upgrade, Upload Firmware, and Upgrade Instructions. The main content area has a blue header with the system name and an 'English' language selector. Below the header are three buttons: 'Configuration Upgrade', 'Upgrading', and 'Upgrade Record'. A summary line reads: 'The total number:1 , Number Of Successful Upgrades:1 , Upgrading Number:0 , Upgrade failures:0 , Clear All: [Clear All](#)'. A table below shows the upgrade progress for one device. The table has columns for No., Hybrid Inverter Sn, Datalogger, Firmware Version, Internal Version, Progress(Refresh Time:1.05), Path, and Operating. The first row shows a successful upgrade with the message 'Upgrade progress:success:Please Click The Ok Button' highlighted in a red box.

No.	Hybrid Inverter Sn	Datalogger	Firmware Version	Internal Version	Progress(Refresh Time:1.05)	Path	Operating
1	SARN744009	JPCSA11680	RA1.0	RAAA181603	Upgrade progress:success:Please Click The Ok Button	/device/New/BMS/BMS_LV_M3_QAAA_0...	Confirm

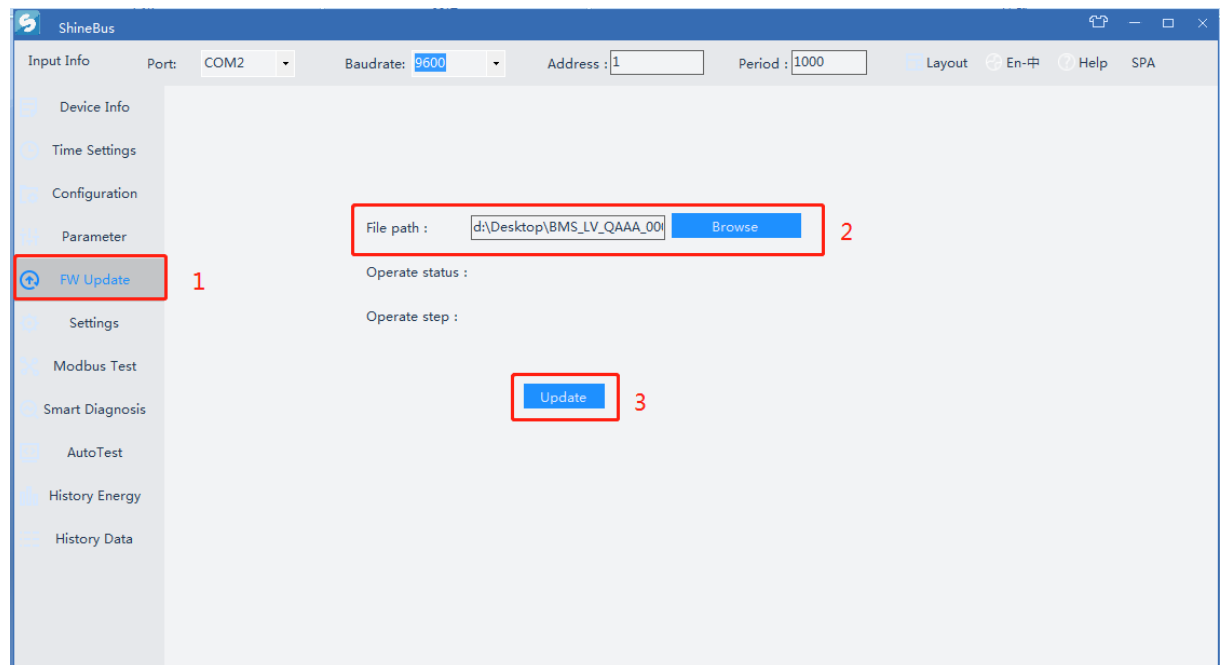
3 Shine bus update

Step 1: Select the COM port and baudrate, select the model, click to start reading data, and confirm that the host computer and the energy storage machine communicate normally;



Step 2: Select FW update, select battery update BIN file, click update;

※Please ask our after-sale engineer for update file/update file version



Step 3: Confirm that the update is successful.

