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, logi n password: update+date, example: update20201010.
- b) Upload Firmware.

Step 1: Choose to upload firmware, manual upload;



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

Growatt	G	rowatt Online Upgrade System	English
Inverter Upgrade	Create A New Folder		
Storage Upgrade	Current Folder: The Folder Below The File:	/Products	
SPH Update	Select The Upload File: Must be in Epolish	The File Name	
Max/Mid/MAC Upgrade	most of an English		
Ac Couple Upgrade		Uproad	
MIN/MIC update	Http Upload File>> For Shinewifi-S/Shinewifi-X/Shinegprs (Version 1.0.5 Inverter(Mix) Max Upgrade Firmware Needs To Be Uploaded To The New F	.0 Or Higher) / Shinegprs -X/Shine4G Upgrade Inverter Ac Couple(Spa). older, Other Devices Upgrade Firmware To Upload To The Old Folder	
Batch Upgrade	Please Select The Folder:	Please Choose	
Upload Firmware	Current Folder:	/device	
Upgrade Instructions	The Folder Below The File:		
	Folder Name	Create	
	Select The Upload File: Must Be In English	The File Name	
		Upload	

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

	6	rowatt Online Ungrade System		English
Growatt		rowatt onnine opgrade system	•	English
Investor Lingrada	Must be in English			
Inverter Upgrade				
Storage Upgrade		Opena		
SPH Update	Http Upload File>> For Shinewifi-S/Shinewifi-X/Shinegprs (Version 1.0.5 Inverter(Mix), Max Upgrade Firmware Needs To Be Uploaded To The New F	0 Or Higher) / Shinegprs -X/Shine4G Upgrade In older, Other Devices Upgrade Firmware To Uploa	verter. Ac Couple(Spa), Min(TI-X/TI-Xh), Hybrid d To The Old Folder	
Max/Mid/MAC Upgrade	Please Select The Folder:	Please Choose 🗸		
Ac Couple Upgrade	Create A New Folder			
	Current Folder:	/device/New/BMS		
MIN/MIC update	The Folder Below The File:	BMS_LV_M3_QAAA_0002.bin Delete		
Ratch Linorada		QAAA_0002_T1.bin Dekke		
batch opgrade		QAaa_BMS_LV_M3_V252.bin Dekee		
Upload Firmware		SPH6000_RAAA-18xxxx.hex Delete		
		SPH6000_RAAA-xx16xx.hex Detete		
Upgrade Instructions		ZCBA0003-16.bin Delete		
	Eolder Name	Create		
	Forder Marine	Catality	_	
	Select The Upload File:	The File Nar	ne	
	Must Be In English			
iavascrint void (11)		Upload		

- 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

Growatt	Growatt Online Upgrade System										
Inverter Upgrade Storage Upgrade	1 Enter Th	ne Datalogger Serial Numbe	C r Of The Device To	onfiguration Upgrade 9 Be Upgraded (JPCSA11680 2	Upgrading Confirm Firmware Version: 3.0	Upgrade Re Affiliated Users: 产品开发六部 .0.0	Belong To	o Type: ShineWIFI-S	System Status: Online		
SPH Update	No.	Hybrid Inverter Sn	Datalogger	Firmware Version	Internal Version	Connection Status	Progress	Operating	Path		
lax/Mid/MAC Upgrade	1	SARN744009	JPC5A11680	RA1.0	RAAA181603	Online		Setting	Please Choose 🕶		
Ac Couple Upgrade		3									
MIN/MIC update											
Batch Upgrade											
Upload Firmware											
Upgrade Instructions											

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

Growarr	Growatt Online Upgrade System											
Inverter Upgrade	for the Party			onfiguration Upgrade	Upgrading	Upgrade Rec	ord					
Storage Upgrade	Enter The	Datalogger Serial Numb	er of the Device to	Be Opgraded: JPCSA11680	Firmware Version: 3.0.	Aminated Osers: 严語开え六章 0.0	Belong To	Type: sninewtrt-s	system status: Online			
SPH Update	No.	Hybrid Inverter Sn	Datalogger	Firmware Version	Internal Version	Connection Status	Progress	Operating	Path			
Max/Mid/MAC Upgrade	1	SARN744009	JPCSA11680	RA10	RAAA181603	Online		Setting	Please Choose V			
Ac Couple Upgrade									New Old			
MIN/MIC update								,				
Batch Upgrade												
Upload Firmware												
Upgrade Instructions												

Step 5: Set up update

Growarr						Growatt	Online Up	grade S	ystem				English
Investor Descade					Configuration Up	grade	Upgrading		Upgrade Rec	ord			
inverter Opgraue	Enter T	he Datalogger	Serial Numbe	er Of The Devic	e To Be Upgraded:	JPC5A11680	Confirm At	ffiliated User	s: 产品开发六部	Belong To	Type: ShineW	IFI-S System	Status: Online
Storage Upgrade						Firmw	are Version: 3.0.0	1.0					
SPH Update	No	Hybrid Inve	rter Sn	Datalooper	Firmware Version	Internal Versi	on Connect	tion Status	Progress	Operation		Path	
Max/Mid/MAC Upgrade	1	SARN744	009	JPC5A116B0	RAL0	RAAA18160	0	Inline		Setting	(BMS_L	_M3_QAAA_0002	
Ac Couple Upgrade													
MIN/MIC update													
Batch Upgrade													
Holes of Ferrussee													
Upload Firmware													
Upgrade Instructions													
Charlester						Growatt	Online Up	grade S	System				English
Growatt					Configuration Up	ograde	Upgrading		Upgrade Re	cord	j		
inverter Upgrade	Enter T	he Datalogger	Serial Numb	er Of The Devic	e To Be Upgraded:	JPC5A11680	Confirm A	Affiliated Use	rs: 产品开发六部	Belong To	Type: ShineV	VIFI-S System	Status: Online
Storage Upgrade						Firmy	are Version: 3.0.0	0.0					
SPH Update	No. H	lybrid Inverter S	n Datalogger	Firmware Versi	on Internal Version C	onnection Status		Progres	£		Operating		Path
Max/Mid/MAC Upgrade	1	SARN744009	JPC5A11680	RAL0	RAAA181603	Online U	grade setup is succ	essful, waiting	for upgrade prog	ress report	Upgrade Car	cel (/device/New	BMS/BMS_LV
Ac Couple Upgrade													
MIN/MIC update													
0													
Batch Upgrade													
Upload Firmware													
Upgrade Instructions													



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

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 nor mally;

ShineBus			
Input Info Por	t: COM2 • Baudrate: 9600	Address : 1 Period	1:1000 Layout ② En-中 ③ Help SPA
 Device Info Time Settings Configuration Parameter FW Update Settings Modbus Test Smart Diagnosis 	Standby >>> 0.0W ● 0.0W ● >>>> ● 0.0W ● >>>> ● ●	Status InfoStatus:StandbyRun time:OHOMinAC InfoVolt(V)0.0Curr(A)0.0Power(VA)0.0Freq(Hz)0.00Pout Active(W):0.0Power(W)0.0Power(W)0.0Power(W)0.0	Energy Info 0.0 E PV total: 0.0 E PV today: 0.0 E PV total: 0.0 E charge today: 2.5 E charge total: 23.3 E discharge today: 5.1 E discharge total: 24.6 E fromGrid today: 2.5 E fromGrid total: 20.8 E toGrid today: 0.5 E toGrid total: 3.1 E badt total: 52.3 SOC(%) 12 Charge power(W): 0.0 Discharge power(W): 12 Temp(°C) 203161.6 Image: Source power(W): 12
AutoTest History Energy History Data		Load info Volt(V) 0.0 Curr(A) 0.0 Power(VA) 0.0 Freq(Hz) 0.00 Power(W) 0.0	System Info SN: 1236547451 Mode: A1B1D0T4PFU2M2SF FW Ver: RH1.0 (RHAA-060803 Com Ver: ZCAA-3 Modbus Ver: V1.49

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

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

5	ShineBus												ť		
Inp	ut Info	Port:	COM2	•	Baudrate: 9600	•	Address : 1	Per	riod : 1000		Layout	\odot En-中	🕐 Help	SPA	
5	Device Info														
Θ	Time Settings														
la.	Configuration	n													
	Parameter				File path :	d:\Desl	ktop\BMS_LV_QAAA_(00 Browse	;	2					
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Ø.	Settings				Operate step :										
38	Modbus Test	t				ſ									
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ShineBus				-							Ŷ		×
Input Info	Port:	COM2	•	Baudrate: 9600	•	Address : 1		Period : 1000	Layout	〇 En-中	🕐 Help	SPA	
Device Info													
Time Settings													
Configuration													
Parameter				File path :	d:\Desk	top\BMS_LV_QAAA_	001	Browse					
💮 FW Update				Operate status	: Updat	te MCU SucceBaudr	ate Reset S	Success					
() Settings				Operate step :	1024,	/1024100%							
Modbus Test					ok 10	00%							
Smart Diagnosis	;					Update							
AutoTest													
History Energy													
History Data													

Step 3: Confirm that the update is successful.