# GROWATT ARK、AXE系列低压电池升级指引 GROWATT ARK、AXE LV Battery Update Guidelines

## 1 U 盘升级 USB flash disk Update

1) 确认U盘格式为FAT32。Confirm that the format of the USB flash drive is FAT32.

类型: F 文件系统: F	]移动磁盘 AT32	必须	为此	格式
- 己用空间:	9, 91:	2,320 字节	9.45 M	8
可用空间	7, 321, 73	1,072 字节	6.81 G	8
容量:	7, 331, 64	3,392 字节	6.82 G	9
	制区运力是	5 H:		

2) 新建 BCONFIG.txt 文件,将此文件放入 U 盘的根目录下。文件配置内容如下:

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:

第一行: update

First line: update

第二行: 1.文件名称.文件类型

Second line: 1. File name. File type

<ul> <li>• • 计算机</li> </ul>	▶ 可移动磁盘 (F:) ▶
组织 👻 🛄 打开 🔻	打印 新建文件夹
☆ 收藏夹 ▶ 下载 ■ 桌面 3 最近访问的位置	▲ BIN 文件 (1) QAAA_0002_T1.bin BIN 文件 256 KB
詞 库  団 Subversion  ■ 视频  ■ 图片	<ul> <li>▲ 文本文档 (1)</li> <li>BCONFIG.txt 文本文档 26 字节</li> <li>▲ 文件夹 (18)</li> </ul>
📑 文档 🚽 音乐	BCONFIG.txt - 记事本 文件(E) 编辑(E) 格式(O) 查看(V) 帮助(E)
📳 计算机 🍶 本地磁盘 (C:)	update 1.QAAA_0002_T1.bin

U 盘配置好升级文件后,插到电池主机(与逆变器通信的电池)或者逆变器
 USB接口。

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 interface

▶ U 盘插到电池主机 USB 接口:

> Plug the USB flash disk into the USB port of the battery host:

主机功能指示灯(第一个指示灯)绿灯快速闪烁;

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

中间从机功能指示灯(第一个指示灯)绿灯快速闪烁;

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

末端从机功能指示灯(第一个指示灯)绿灯快速闪烁;

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

- ▶ U 盘插到逆变器 USB 接口:
- > Plug the U disk into the USB port of the inverter:

逆变器功能指示灯闪烁, LCD 屏显示: "Programing";

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

LCD 屏显示: "Programing OK";

LCD screen displays:'Programing OK';

主机功能指示灯(第一个指示灯)绿灯快速闪烁;

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

中间从机功能指示灯(第一个指示灯)绿灯快速闪烁;

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

末端从机功能指示灯(第一个指示灯)绿灯快速闪烁;

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

4)所有电池功能指示灯(第一个指示灯)红灯快速闪烁,闪烁结束后电池重启,

升级成功。

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

### 2 远程升级 Online Update

a) 登陆网址 http://update.growatt.com/, 打开升级界面, 登录密码: update+日期,

示例: update20201010。

Log in to the website http://update.growatt.com/, open the upgrade interface, logi n password: update+date, example: update20201010.

b) 上传升级文件。Upload Firmware.

第一步:选择上传固件,手动上传;

Step 1: Choose to upload firmware, manual upload;



第二步:选择创建文件路径:/device/New/BMS

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

批量升级	HTTP上传文件>>送用于ShineWIFI-S/ShineWiFi-X/ShineGPRS(1.0.5.0版本以 上传至New文件夹下,其他设备升级回件上传至Old文件夹下	上)/ ShineGPRS -X/Shine4G升级逆充器。	交流输能机(SPA)、MIN(TL-X/TL-XH)、混输一体机(MIX)、MAX升	级固件需
上传圈件 升级说明	清选择文件类: 当能文件类:	请选师 ✓ 请选择 New Old	的國際文件內	
	14人作4《日本》中: 文件完合称 请选择上传文件:	BM8	<b>93</b> 文件名必须为英文	
		上代		
Growatt	G	rowatt Online Upgrade	System	English
Inverter Upgrade	Create A New Folder			
Storage Upgrade	Current Folder:	/Products		
SPH Update	Select The Upload File: Must Be In English	T	lhe File Name	
Max/Mid/MAC Upgrade				
Ac Couple Upgrade		Upload		
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 L older, Other Devices Upgrade Firmwar	Upgrade Inverter <mark>Ac Couple(Spa)</mark> , Min(TI-X/TI-Xh), Hybrid e To Upload To The Old Folder	
Batch Upgrade	Please Select The Folder:	Please Choose	]	
Upload Firmware	Current Folder	Idevice	-	
Upgrade Instructions	The Folder Below The File:	Jache		
	Folder Name		Create	
	Select The Upload File: Must Be In English	τ	The File Name	
		Upload		

### 第三步:选择创建好的文件路径/device/New/BMS 上传电池 BIN 文件

		古瑞瓦特在线升级系统	中文
Growatt	当前文件夹:	/Products	
逆支器升级	<b>读文</b> 仲夹下面文件:		
儲能机升级	请选择上传文件:	文件名必须为英文	
		_	
		上榜	
MAX/MID/MAC升级	HTTP上传文件>>活用于ShineWIFI-S/ShineWiFi-X/ShineGPRS(1.0.5.0版本以	上)/ ShineGPRS -X/Shine4G升级逆变器。交流储能机(SPA) MIN(TL-X/TL-XH)、混缃一体机(MIX) MAX升级国	相樂
交流儲能机(SPA)升级	上传至New文件夹下,其他设备升级固件上传至Old文件夹下		
MIN/MIC升级	请选择文件夹:	(清法:译 ▼) 他就那没件夹	
批量升级	当前文件夹:	/device/New/BMS	
	该文仲央下面文件:	BMS_LV_M3_QAAA_0002.bin	
上传固件		QAAA_0002_T1.bin 80k OAaa BMS LV M3 V252.bin 800	
升级说明		SPH6000_RAAA-18xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	
		SPH6000_RAAA-xx16xx:hex	
		ZCBA0003-16.bin	
	请选择上传文件:	文件名必须为英文	
		上传	
<b>C</b>	G	rowatt Online Upgrade System	nglish
Growatt	G Must Be In English	rowatt Online Upgrade System	nglish
Growatt Inverter Upgrade	G Must Be in English	rowatt Online Upgrade System	nglish
Growatt Inverter Upgrade Storage Upgrade	G Must Be In English	rowatt Online Upgrade System	nglish
Growatt Inverter Upgrade Storage Upgrade	G Must Be In English Http: Upload File> For Shinewiff-S/Shinewiff-X/Shinegars (Version 1.0.5	Uptual O () Hinker) / Shineagra - X/Shine4G Upgrade Inverter. Ac Couple(Spa), Min(T)-X/T)-X(b), Hybrid	nglish
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Step 3: Select the created file path '/device/New/BMS' to upload the battery BIN file

c) 升级电池。Upgrade battery.

第一步:选择逆变器机型

Step 1: Choose the inverter model

第二步: 输入采集器序列号

Step 2: Enter the serial number of the datalogger

第三步:确认逆变器序列号和采集器序列号

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

Growatt						古瑞西	特在线升级系	系统			l	中文
Manual					配置升级		正在升级	升级记录				
迎受器升级			清输入要升级的设备的	采集翻序列号	JPC5A116B0	柳定	所属用户: 产品开发六	部 所属类型: ShineV	VIFI-S 勇	系统状态: 在线	固件版本: 3.0.0.0	
储能机升级				L	2		J					
一体机(SPH)升级		84	-#464919		¥92	同件版本	内部版本	连接机器	5	迎度 操作	88	
MAX/MID/MAC升级		1	SARN744009	11	PC5A116B0	RA1.0	RAAA1816	03 在线		() ()	请选择、	•
					3							
交流储能机(SPA)升级	1											
MIN/MIC升级												
批量升级												
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升级说明												
Growatt						Growat	t Online Upgr	ade System				English
Inverter Upgrade	1				Configuration Upgra	de	Upgrading	Upgrade R	ecord			Î
Storage Upgrade	En	ter The l	Datalogger Serial Numbe	r Of The Device	To Be Upgraded upc	5A11680	Confirm Affili	ated Users: 产昌开发六部	Belong	To Type: ShineW	IFI-S System Status	: Online
					2	Firr	tware Version: 3.0.0.0					- 1
SPH Update		No.	Hybrid Inverter Sn	Datalogger	Firmware Veral	on Ir	ternal Version	Connection Status	Progress	Operating	Path	_
Max/Mid/MAC Upgrade	l	1	SARN744009	JPC5A11680	RA1.0		RAAA181603	Online		Setting	Please Choose ¥	•
Ac Couple Upgrade		1	3									
MIN/MIC update												- 1
Batch Upgrade												- 1
Upload Firmware												- 1
Upgrade Instructions												

# 第四步:选择文件路径/device/New/BMS/电池 bin 文件

Growatt				古	瑞瓦特在线升线	极系统		中文
逆夺器开级				配置升级	正在升级	升级记录		
ARTICLE CLESS		请输入要升级的设备的界	《集器序列号: JPC5/	x116B0	所属用户:产品开	发六部 所属类型: ShineWIFI	-S 系统状态:在线	固件版本: 3.0.0.0
THERE IN LAW	1945	-04/02/91-91	Ψg	2 1941	5本 内部	5.4 i) 1817.5	70 R	n mit
一体机(SPH)升级	1	SARN744009	JPC5A1	1680 RA	l.0 RAAA1	81603 <b>6:15</b>	121	■ 講送探 ▼
MAX/MID/MAC升级								New Old
交流储能机(SPA)升级								4
				-				
Growatt				Gro	owatt Online U	pgrade System		English
Inverter Upgrade	Enter T	ha Datalonnar Sarial Numh	er Of The Device To	Relinguation Upgrade	Upgrading	Affiliated License 2012 The Affi	rd Relana Ta Tune: Chine	WIELS Sustam Status Onlina
Storage Upgrade	Linter i	ne Datalogger senar Humb	er of the bence to	e opgradea. Prostrike	Firmware Version: 3.	0.0.0	beiding to type. sinne	wiri-3 system status, onme
SPH Update	No	Hubrid Inverter So	Dataloguer	Firmware Version	Internal Version	Connection Status 1	Process Operation	a Path
Max/Mid/MAC Upgrade	1	SARN744009	JPC5A116B0	RAL0	RAAA181603	Online	Setting	Please Choose V
Ac Couple Upgrade								New Old
MIN/MIC update								
Batch Upgrade								
Upload Firmware								
Upgrade Instructions								

### 第五步:设置升级

### Step 5: Set up update

C	古瑞瓦特在线升级系统 中文
Growatt	<b>新而升级</b> 正在升级 升级记录
逆交器升级	調輸入要升級的设备的采集器序列号: IPC5A11680 <
儲能机升级	
一体机(SPH)升级	164)—1640,6394) 7222 INITIDA AMADA ISIBITO ME INT
MAX/MID/MAC升级	1 SARN744009 JPCSAL1680 RALO RAAAL81603 EEKE SE BMS_LV_M3_GAAA_0002 bin V
交流儲能机(SPA)升级	5
C	Growatt Online Upgrade System
Growatt	Configuration Upgrade Upgrading Upgrade Record
Inverter Upgrade	Enter The Datalogger Serial Number Of The Device To Be Upgraded: #PO5A11660 Confirm Affiliated Users: 产品开发六部 Belong To Type: ShineWIFI-S System Status: Online
Storage Upgrade	Firmware Version: 3.0.0
SPH Update	No. Hybrid Inverter Sn Datalogger Firmware Version Internal Version Connection Status Progress Operating Path
Max/Mid/MAC Upgrade	1 SARN744009 JPCSA11680 RA1.0 RAAA181603 Online Seting BVS 10 M1 CAAA 8002 bit V
Ac Couple Upgrade	
MIN/MIC update	
Batch Upgrade	
Upload Firmware	
Upgrade Instructions	
C	古瑞瓦特在线升级系统
Growatt	<b>赵</b> 贾升级 正在升级 升级记录
逆变器升级	请输入要升级的设备的采集器序列号: JPC5411680 前定 所属用户: 产品开发六部 所属类型: ShineWIFI-S 系统状态: 在线 图件版本: 3.0.0.0
儲能机升级	
一体机(SPH)升级	1 SARN744009 JPCSAII680 RALO RAAA151603 2010 7100 2010 10 10 10 10 10 10 10 10 10 10 10 10
MAX/MID/MAC升级	
交流能能机(SPA)开级	
MIN/MIC升级	
Growatt	Growatt Online Upgrade System
Inverter Upgrade	Configuration Upgrade Upgrade Upgrade Upgrade Record Upgrade Configuration Upgrade Confi
Storage Upgrade	Eiter nie balanogget sena romoel of nie beweend be opgraded, artoknobil Firmware Version: 3.0.0.0
SPH Update	No. Hybrid Inverter Sn Datalogger Firmware Version Internal Version Connection Status Progress Operating Path
Max/Mid/MAC Upgrade	1 SARN744009 JPCSA11880 RA1.0 RAAA181603 Online Upgrade setup is successful, waiting for upgrade progress report Upgrade Cancel (device/New/BMS_UV)
Ac Couple Upgrade	
MIN/MIC update	
Batch Ungrade	
Batch Upgrade	
Batch Upgrade Upload Firmware	
Batch Upgrade Upload Firmware Upgrade Instructions	

第六步: 文件下发成功, 确认升级成功。

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

Growart					古瑞瓦特在线	升级系统		中文
Monarca				配置升级	正在开	及 升级记录		
1993 (BB) T W			总数	战量:1,升级成功条	數:0,正在升级条数:1,	开级失败数量:0,清除所有: 清除)	त्ति	
储能机升极	库马	一体机索列号	采集器	期件版本	内部版本	<b>进度(副新时间:105)</b>	而经	操作
一体机(SPH)开级	1	SARN744009	JPC5A11680	RAL0	RAAA181603	交件下发:成功	/device/New/BMS/BMS_LV_M3_QA	102/H
MAX/MID/MAC升级								
交流緒能机(SPA)升级								
MIN/MIC#98								
Growart					古瑞瓦特在线	升级系统		中文
Monutia				配置升级	正在升	丹级记录		
建交输升级			总数	2量:1,升级成功条	数:1,正在升级条数:0,	升级失败数量:0,清除所有: 清除的	后有	
儲能机升级	1816	-048.05%司	248	19115A	51-1815 A.	and cartier (at 105)	ma	isn:
一体机(SPH)升级	1	SARN744009	JPC5A11680	RALO R	AAA181603	升级进度成功;清府由确定按钮	/device/New/BM5/BM5_LV_M3_QA	構定
MAX/MID/MAC升级					L			
WHAT AND A VIE A								
交通構成のロシアへの対象								
MIN/MIC升级								
					Grountt Onlin	o Ungrado Sustam		English
Growatt					Growatt Onlin	e opgrade system	and a later of the second s	enguist
Inverter Upgrade			The total number1	Number Of Success	seful Upgrades 1. Upgra	ding Number0 Ungrade follower0	Class All: Class All	
Storage Upgrade	_		The total humbers ;	Number of succes	ssiai opgiaues.r, opgia	any Nambero , opgrade randreso	Clear Air. Clear Air	
SPH Update	No. H	ybrid Inverter Sn Da SARN744009 JPC	talogger Firmware Ver SA11680 RA1.0	raion Internal Ve RAMA1811	raion Pr 603 Upgrade prog	regress(Refresh Time:105) ress:successPlease Click The Ok Button	Path /device/New/BMS/BMS_LV_M3_QAAA_0.	Operating
Max/Mid/MAC Upgrade								
Ac Couple Upgrade								
MIN/MIC update								
maynic update								
Batch Upgrade								
Upload Firmware								
Upgrade Instructions								

# 3 Shinebus 升级 Shinebus update

第一步:选择 COM 端口和波特率,选择机型,点击开始读取数据,确认上位机

与储能机通信正常;

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;



第二步:选择固件更新,选择电池升级BIN 文件,点击更新;

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

乞 ShineBus													Ϋ́	- 🗆 X
输入信息 端口	: COM2	•	波特率: <mark>9600</mark>	•	地址:	1		周期:	L000		ayout	③中-En	③ 帮助	SPA
设备信息														
时间设置														
设置配置									_					
参数信息			文件路径:					浏览		2				
● 固件更新	1	L L	操作状态:							-				
· 产品设置	-		操作步骤:											
Modbus Test				_										
智能检测					更新		2							
自动测试							5							
历史电量														
历史数据														
ShineBus													Û	- 🗆 X
ShineBus	t: COM2	•	Baudrate: 9600	·	Addres	s : 1		Period : 1	.000		ayout	〇 En-中	안 () Help	- 🗆 ×
ShineBus Input Info Por Device Info	t: COM2	•	Baudrate: 9600	·	Addres	s : 1		Period : [1	.000		ayout	④ En-中	습	− □ × SPA
ShineBus Input Info Por Device Info Time Settings	t: COM2	•	Baudrate: 9600	·	Addres	s : 1		Period : [1	.000	Eð L	ayout	) En-中	එ ( Help	- d x
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ShineBus Input Info Por Device Info Time Settings Configuration Parameter  Parameter Settings Modbus Test Smart Diagnosis AutoTest	t COM2	•	Baudrate: 9000 File path : Operate status Operate step :	• d:\Desi s : :	Addres ktop\BMS_L <sup>1</sup>	s : [1 V_QAAA_00]	Bı	Period : 1	2	L	ayout	○ En-中	භ ී Help	- C X
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ShineBus Input Info Por Device Info Time Settings Configuration Parameter <b>RW Update</b> Settings Modbus Test Smart Diagnosis AutoTest History Energy History Data	t COM2	•	Baudrate: 9600 File path : Operate status Operate step :	d\Des s : :	Addres ktop\BMS_L <sup>1</sup>	s : [1 V_QAAA_00]	E,	Period : 1	2	L	ayout	С En-Ф	Ф Неір	- C X
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第三步:确认烧录成功。

Step 3: Confirm that the update is successful.

🜌 ShineBus													Û	— 🗆 ×
输入信息	端口:	COM2	•	波特率: 9600	•	地址:	1		周期: 1	.000	Layout	③中-En	② 帮助	SPA
设备信息														
时间设置														
设置配置														
参数信息				文件路径:	\\192.1	l68.1.6\Growat	t\研发中心	浏	5					
固件更新     固件更新				操作状态:	MCU	烧录成功								
产品设置				攝作步骤:	102	4/1024100%								
Modbus Tes	t -				MC	U烧录成功!100	0%							
智能检测						暫停								
自动测试														
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ShineBus													Û	- 🗆 ×
Input Info	Port:	COM2	•	Baudrate: 9600	•	Address	: 1		Period : 1	.000	Layout	💮 En-中	() Help	SPA
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Configuratio	s													
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