BMS Tool - Quick Guide

1. Download the software package from the following website (only supports Windows system)

http://app.eco-worthy.com:7777/Download/BMS-Tool&Drive-for-Windows.zip

2. Unzip the file





 $4.\, \text{Use RS485}$ to USB cable to connect the battery and computer

5. Open the software "ES-UP-V1. 22. 16"



6.Select COM and BaudRate

ES-UPV1.22.1	6 Communication Upgrade firmware Renewal Graphs Help Language		- 0
Device BMS00	Scan 0 1 2 3 4 5 6 7 8	9 10 11 12 13 14 15 Parallel	Num: COM COM4 V Search BaudRate 9600 V Open
Monitor	Cell Voltage		System Info
Parallel	MAX Volt: - mV NIN Volt: - mV MAX Vlot Diff: mV Average Volt: mV		Idle Ohargine Discharge Discharge MOS Oharge MOS Precharge I
Parameter	No. Voltage Units No. Voltage Units	0%	Node2 Limiting Charger LOAD SW
Config			Alarm status
Module		SOC SOH	
History		Pack Information	
Debug		Pack Voltage: V	
Calibration		Current: A Cycle Index:	Protected state
		Remain Capacity: Ah	
Debug Calibration	Temperature information	Full Capacity: Ah	
	Ambient Temp: C MOS Temp: C	Rated Capacity: Ah	
	Max Temp: - 'C Min Temp: - 'C	SOP Status	- Deal Canfin
		MAX CHG CV: V	R\$485 Protocol Se
	Name Temperature Units Name Temperature Units	MAX CHG CC: A	CAN Protocol
		MIN DSG DV: V	
		MAX DSG CC: A	Read
Tx Count: 0	Rx Count: 0 Port Status: Softwa	are version: SN code:	



7.Click "Read" to obtain BMS data

wice		•		COM	COW7 ~										
MS01	Scan	0 1	2 3	4 5 (5 7 8	9 10	11 12 13 14 15	Parallel Num	:: 1		BaudRate	9600 ~			
nitor	Cell Vo	tage	3332 eV	NIN Volt:	T - C	3330 eV				System Info	stem Info dle Othergine O Disc				
rallel	MAX Viot D	Niff: 2	nV	Average Vi	olt: 3330	nV				O Discharge MOS	Charge MOS Fan MOS	Precharge MOS Node1			
ameter	No.	Voltage	Units	No.	Voltage	Units	((97%))	9	2	O Node2 O Gharger	⊖ Limiting ⊖ LOAD O	SW			
onfig	1	3330	۵V	9	3331	aV				Alarm status					
dule	2	3332	W	10	3330	eV .									
tory	4	3331	ev eV	12	3330	eV	SOC	SO	н						
	5	3331	٩V	13	3330	۳V	Pack Information	53.28	v						
ibug	0	3331	٩V	14	3331	۳V	Current:	0.00	A	Protected sta	ite				
libration	7	3330	eV eV	15	3330	eV eV	Cycle Index:	1							
	Tempera	ture information			0000		Remain Capacity:	90.86	Ah Ah						
	Ambient Te	mp: 29.5	'C	MOS Temp:	26.7	.c	Rated Gapacity:	100.00	An						
	Max Temp:	1 - 3	15.3 °C	Min Temp:	3 -	25 °C	SOP Status	67.4	v	Deal Config					
	Name	Temperature	Units	Name	Temperature	Units	MAX CHG CC:	100.0	- A	RS485 Protocol	PYLON	- Set			
	TI	25.3	'C	та	25.0	'C	MIN DSG DV:	45.6	v	CAN Protocol	PYLON	Set			
	T2	25. 2	°C	T4	25.0	°C	MAX DSG CC:	100.0	A			Read			

ES-UPV1.22.16 count Store Communication Upgrade firmware Renewal Graphs Help Language

ES-UPV1.22.16

C Inverter Parameter

Balance Mode IDLE

Balance Open Viot 3400

BMS SN Code UP16S019000110

 SN Code
 JBD-45100000

 Bar Code
 JBD

 BMS WFG
 2024

 PACK WFG
 2024

Idle Sleep Parameter

Tx Dount: 435 By Dount: 432 Bort Status: Oven (CON7, 9400)

Sleep Voltage 300.0

Sleep Current 1.0

Read

Pack SN Code ----

MAX CHG GV

MIN DSG DV

Banlance

Device BMS01

Monitor

Parallel

Parameter

Config

Module

History

Debug

Calibration

BMS01	Cell Overvoltage	Cell Undervoltage		Battery Overvoltage				Battery Undervoltage								
MOUT	Cell OV alarm value	3600	a¥	Set	Cell UV Alarm	2850	e¥	Set	Batt OV Alarm	57.60	v	Set	Bott UV Alarm	45.60	v	Set
	Cell OV Alarm Release	3400	e¥	Set	Cell UV Alarm Release	2900	e¥	Set	Batt OV Alarm Release	54, 40	v	Set	Batt UV Alarm Release	48.00	v	Set
sonitor	Cell OV Alarm Delay	3000	-	Set	Cell UV Alare Delay	3000	-	Set	Batt OV Alarm Delay	3000	-	Set	Batt UV Alarm Delay	1000	-	Se
Parallel	Cell OV Protect	3650	eX	Set	Cell UV Protect	2800	e¥	Set	Batt OV Protect	58.40	v	Set	Batt UV Protect	44.80	v	Se
	Cell OV Protect Release	3400	а¥	Set	Cell UV Protect Release	3000	e¥	Set	Batt OV Protect Release	54.40	v	Set	Batt UV Protect Release	48.00	v	Se
arameter	Cell OV Protect Delay	3000	8	Set	Cell UV Protect Delay	3000	es	Set	Batt OV Protect Delay	3000		Set	Batt UV Protect Delay	3000		Se
	Charge Over Curre	int			CHG Over Current 2		Discharge Over Cur	rent	Discharge Over Current 2							
CONTIN	CHG OC Alarm	105.00	A	Set	CHG 002 Protect	130.00	A	Set	DSG OC Alarm	105.00	A	Set	DSG 0C2 Protect	140.00	A	Se
Nodule	CHG OC Alarm Delay	2000		Set	CHG 002 Protect Delay	500	es	Set	DSG OC Alarm Delay	2000	es	Set	DSG 002 Protect Delay	200		Se
	CHG OC Protect	120.00	A	Set	CHG 0C2 Release Delay	600		Set	050 00 Protect	120.00	A	Set	DSG 002 Release Delay	60		84
listory	CHG OC Protect Delay	2000	85	Set					DSG OC Protect Delay	2000	85	Set				
	CHG OC Release Delay	600		Set					DSG OC Release Delay	60		Set				
Debug	CHG OC Lock Times	65535		Set					050 00 Lock Times	3		Set				
ibration Charge Over Temperature				Charge Low Tempera	ture	Discharge Over Tem	perature -	Discharge Under Temperature								
	CHG OT Alarm	50.0	ъ.	Set	CHG OT Alarm	0.0	ъ.	Set	DSG OT ALarm	50.0	ъ.	Set	DSD UT Alarm	-10.0	°C	84
	CHG OT Alarm Release	48.0	'C	Set	CHG UT ALarm Release	10.0	ъ.	Set	DSG OT Alarm Release	48.0	,c	Set	DSG UT ALarm Release	0.0	'с	Se
	CHG OT Protect	55.0	с	Set	CHG UT Protect	0.0	ъ.	Set	DSG OT Protect	55.0	ъ.	Set	DSQ UT Protect	-15.0	°C	Se
	CHG OT Protect Release	50.0).C	Set	CHG UT Protect Release	5.0	,c	Set	DSG OT Protect	50.0	,c	Set	DSG UT Protect Release	-10.0),C	Se
	MOS Over Temperat	ure	Ambient Over Tempe	rature	Voltage Different Over				SOC Low							
	BOS OT Alarm	95.0	ъ.	Set	Ambient OT Alarm	60.0	.с	Set	Yolt Diff Alarm	600	۳V	Set	SOC Low Alarm	10	8	8
	BOS OT Alarm Release	80.0	'C	Set	Ambient 01 Alarm	50.0	,c	Set	Volt Diff Alarm Release	500	۳V	Set	SOC Low Alaram Release	15	8	Se
	MOS OT Protect	105.0	ъ	Set	Ambient OT Protect	65.0	°C	Set	Yolt Diff Protect	800	πV	Set				

ι

RS485 Protocol PYLON - Set CAN Protocol

Import Export Write param

57. 6

Tx Count: 469 Rx Count: 465 Port Status: Open (COM7 , 9600) Software version: V1

MAX CHG CC

100

Read the PACK parameter successfully

-

nV Set

ОК

min Set

min Set

Software version: VI SN code: JBD4810000

Hot Start Te 0.0

V Set MAX CHG CC V Set MAX DSG CC

Set BMS软件地址

090601811

nV Set Banlance Open VDiff 30

nV Set Sleep Delay Time 2880 A Set 静态体瑕延时 4905

C Function Config □Hot Paramter □Buzzer □預留 □Funo 02 □Anti Theft □Funo 03 GPS PYLON -A Set Capacity algorithm □ Capacity not standy □ Close \$00 Trace □ Func 01 - Funs 02 SOH Parameter SOH 92 Cycle-Index

Cycle Damping Factor 150 \$ Set Cycle Coeff 80 SOC Parameter AH Set Full Capacity 92.85 Rated Ca acity 100 acity 90.85 AH 500 97.84 Remain Co Ah Set Total DSG Ah 130.5 Total CHG Ah 186.7 V Set Full CHG Current 1500 age 57.28 mA Set nagement Parameter

> C Set Hot Stop Tem 10.0 'C Set

- 0 ×

8. Read and adjust the battery communication protocol in the bottom right corner of the Monitor page

