CONFIGURACIÓN DE BMS TOOLS HOJA BLANCA

El software para PC "BMS Tools" proporciona análisis y diagnóstico de la batería en tiempo real. La batería no puede comunicarse con BMS Tools y un inversor de circuito cerrado al mismo tiempo. Los pasos que se describen a continuación le guiarán a través de la configuración inicial de BMS Tools.

- 1. Usando un cable RS-485 (RJ45 pines 1-B, 2-A) a USB-A, conéctelo al puerto RS-485 de la batería y luego a un puerto USB-A en una computadora con Windows.
- 2. Configure el interruptor DIP de la batería en ID: 64 (todos los dips en ON).
- 3. Encienda la batería.
- 4. Confirme que el COM del cable RS485 esté configurado correctamente en el programa BMS. Consulte el Administrador de dispositivos en la PC parra obtener más información.

Both Both <th< th=""><th>BMS_TOOLS V1.0</th><th></th><th></th><th></th><th></th><th>- 0 ×</th></th<>	BMS_TOOLS V1.0					- 0 ×
Note: Name: Name: <td< th=""><th>COM COM30 V Refresh</th><th>Baud Rate 115200 V</th><th></th><th></th><th></th><th>ID: 1 V Start Monitoring</th></td<>	COM COM30 V Refresh	Baud Rate 115200 V				ID: 1 V Start Monitoring
block idemation Ford State Ford State Petcl State Con State Model Petcl State Petcl State Version Site Petcl State Petcl State Version Site Petcl State Petcl State Site Site Petcl State Petcl State Version Site Petcl State Petcl State Site Site Site Petcl State Petcl State Site Site Site Output State Petcl State Petcl State Site Site Site Site Output State Petcl State Petcl State Site Site Site Site Output State Petcl State Output State Petcl State Site Velope Site Site Output State Outpu	BMS Monitoring BMS Parameter Historical Record BMS Datalog C	ommunication				
Voltage Inru Peta OV Peta OV Version SH Construct Enru Call OV Outrett Enru Call OV Call OV Call OV Setury Monation Call V Call OV Call OV Setury Monaton Call OV Call OV Call OV Setury Monaton Call OV Call OV Call OV Setury Monaton Neter SOC Sy SOH Sy Valage V Curret A Capachty Call Martine Control Databarge OC Databarge OC Valage V Sin Ival V vid Off V Hase CC A MoS OT MOS OT Nata Terreg C Kin Tereg Control Terregotine Terre Databarge OT Databarge OT Databarge OT Temperature Enrum C Kin Tereg Terregotine Control Carge OT Databarge OT Terregotine Terregotine Terregotine Control Terregotine Control Databarge OT Databarge OT Valage(V) Terregotine Terregotine Contro Terregotine Contro Databarge OT Databarge OT Valage(V) Terregotine Terregotine Contro Terregotine Contro Databarge OT Databarge OT	Model Information		Error Statu	\$	Warn Status	Protect Status
consiste mage and model Temperature Error Cal OV Cal OV Version SH Cal OV Pack UV Pack UV Battery Information Cal OV Cal OV Outly outly Cal OV Status Heater SOC % SOH Outly outly				Voltage Error	Pack OV	Pack OV
Version SH Current Emor Fed. UV Fed. UV Battery Mormation Call Ubbalance Call Ubbalance Call UV Call UV Status Nexter SOC % 50H SOL Dubdrage OC Dubdrage OC Voltage V Current A Capacity AH Remain C AH Temp Annahy Temp Annahy Max Vol V Val OH V Max CC A MOS OT Obsige OT Temperature Mormation(*O) Call UM Call UM Obsige OT Obsige OT Temperature Mormation(*O) Anbeint Temp Call Temperature Mormation(*O) Obsige OT Obsige OT Voltage/V Anbeint Temp TempO1 TempO4 Obsige OT Obsige OT Voltage/V Cella TempO4 Obsige OT Obsige OT Obsige OT Voltage/V Cella Cella Cella Cella Obsige OT Obsige OT Voltage/V Cella Cella Cella Cella Obsige OT Obsige OT Voltage/V Cella Cella Cella Cella Cella Obsige OT Obsige OT <th>Com State Offline Model</th> <th></th> <th></th> <th>Temperature Error</th> <th>Cell OV</th> <th>Cell OV</th>	Com State Offline Model			Temperature Error	Cell OV	Cell OV
Cell UP Cell UV Cell UV Battery Information Call Urbelance Call UP Call UP Status Heater SOC % SOH % Discharge OC Discharge OC Voltage V Current A Capacity AH Remain C AH Temp Annaly Temp Annaly Temp Annaly Max Vel V Min Val V V val Off V Max CC A MoS OT MoS OT Max Temp *C Min Temp *C Temp Dff *C Cell Rum Oblarge OT Discharge OT Discharge OT Temperature Information (*C) Anisent Temp *C Temp Dff *C Cell Rum Oblarge OT Discharge OT Discharge OT Yoldage (V) Temp01 Temp02 Temp03 Temp04 Cells Cell Cells Cells <t< th=""><th>Varsion</th><th></th><th></th><th>Current Error</th><th>Pack UV</th><th>Pack UV</th></t<>	Varsion			Current Error	Pack UV	Pack UV
Satury Information Charge OC Charge OC Charge OC Satury Information Nexter SOC % SOH Discharge OC Discharge OC Voltage V Current A Coport/ AH Remain C AH Temp Annahy Temp Annahy Mex Vol V Min Vol V vol Diff V Max CC A MOS OT MOS OT Max Temp 'sC Min Temp 'sC Temp Diff 'sC call Rum Oharge OT Oharge OT Temprature Information (*C) Anheiest Temp Oharge OT Discharge OT Oharge OT PCB Temp Anheiest Temp Temp02 Temp02 Temp02 Temp04 Discharge OT Discharge OT Voltage(V) Cell0 Ce				Cell Unbalance	Cell UV	Cell UV
Status Heater SOC % SOH % Discharge OC Discharge OC Vetage V Curret A Cepacity AH Remain C AH Max Vol V Min Vol V Vol Off V Max C-C AH Max Temp "C Min Temp "C Temp Off "C Cell Rum Discharge OT Oharge OT Temperature Information (*O "C Temp Off "C Cell Rum Discharge OT Oharge OT PCB Temp Ambient Temp Temp03 Temp04 Discharge OT Obscharge UT Voltage (/) Temp03 Temp04 Other Error Discharge SC Discharge SC Cell9 Cell0 Cell1 Cell2 Cell3 Cell4 Cell5 Cell5	Battery Information				Charge OC	Charge OC
Voltage Voltage Voltage A Capacity A H Remain C A H Max Vol V Min Vol V Vol Diff V Max C-C A H MOS OT MOS OT Max Temp *C Min Temp *C Temp Diff *C Call Rum Disharge OT Charge OT Charge OT Temperature Information (*C) A mbient Temp Call Rum Discharge OT Discharge OT Discharge OT PCB Temp A mbient Temp Temp03 Temp04 Discharge OT Discharge OT Voltage(/) Temp03 Temp04 Other Error Discharge SC Cell9 Cell03 Cell1 Cell2 Cell3 Cell4 Cell5 Cell6	Status Heater	SOC	% SOH	%	Discharge OC	Discharge OC
Max Vol V Mos Off V Max CeC A Mos OT Mos OT Max Temp "C Min Temp "C Temp Off "C Call Rum Disharge OT Disharge OT Temperature Information (*C) Disharge OT Disharge OT Disharge OT Disharge OT PCB Temp Ambient Temp Temp03 Temp04 Discharge UT Discharge UT Voltage(/) Temp03 Temp04 Other Error Discharge SC Cell01 Cell03 Cell04 Cell05 Cell05 Cell05 Cell05 Cell06 Cell05 Cell06 Cell05 Ce	Voltage V Current	A Capacity	AH Remain C	AH	Temp Anmaly	Temp Anmaly
Max Temp "C. Min Temp C. Temp Off "C. Cell Hum Charge 0T Charge 0T Temperature Information (*C) Diskarge 0T Diskarge 0T Diskarge 0T Diskarge 0T PCB Temp Ambient Temp Discharge UT Discharge UT Discharge UT Discharge UT Temp01 Temp02 Temp03 Temp04 Other Error Discharge SC Voltage(/) Cel02 Cel03 Cel04 Cel05 Cel05 Cel07 Cel06 Cel09 Cel10 Cel12 Cel13 Cel14 Cel15 Cel16 Cel16	Max Vol	V Vol Diff	V Max C-C	A	MOS OT	MOS OT
Temperature Information (*C) Diskarge 0T Diskarge 0T PCB Temp Ambient Temp Diskarge 0T Diskarge 0T Temp01 Temp03 Temp04 Diskarge 0T Diskarge 0T Voltage(/) Cel03 Cel04 Cel05 Cel	Max Temp ºC Min Temp	°C Temp Diff	°C Cell Num		Charge OT	Charge OT
Carge UT Charge UT PC3 Temp Anbient Temp Temp01 Temp02 Temp03 Temp04 Obser Error Discharge UT Discharge UT Discharge UT Discharge SC Other Error Discharge SC Discharge SC	Temperature Information(°C)				Disharge OT	Disharge OT
PG Temp Anbient Temp Temp01 Temp03 Temp03 Temp04 Other Error Other Error					Charge UT	Charge UT
Temp01 Temp02 Temp03 Temp04 Low Capacity Float Stoped Voltage(/) Cell01 Cell02 Cell03 Cell04 Cell05 Cell05 Cell07 Cell08 Cell09 Cell10 Cell12 Cell13 Cell14 Cell15 Cell16	PC8 Temp	Ambient Temp			Discharge UT	Discharge UT
Tempo1 Tempo2 Tempo3 Tempo3 Tempo4 Other Error Discharge 5C Voltage(V) Cello1 Cello2 Cello3 Cello4 Cello5 <		7			Low Capacity	Float Stoped
Voltage(1) Cell02 Cell03 Cell04 Cell05 Cell06 Cell07 Cell08 Cell09 Cell10 Cell12 Cell13 Cell14 Cell15 Cell16	Tempoz	Tempus	Tempo4		Other Error	Discharge SC
Cell02 Cell03 Cell04 Cell05 Cell06 Cell07 Cell08 Cell09 Cell10 Cell12 Cell13 Cell14 Cell15 Cell16	Voltage(V)					
Cell02 Cell03 Cell04 Cell05 Cell06 Cell07 Cell08 Cell09 Cell10 Cell12 Cell13 Cell14 Cell15 Cell16						
Cello	Cell01 Cell02	Cell03 Cell04	Cell05	Cell06	Cell07	Cell08
	Cell09 Cell10	Cell11 Cell12	Cell13	Cell14	Cell15	Cell16

5. Cambiela Velocidad en Baudios a 9600.

BMS_TOOL	S V1.0					- a ×
Monitor Status	·					
COM	COM30 V Refresh	Baud Rate 9600 V				ID: 1 V Start Monitoring
BMS Monitori	ng BMS Parameter Historical Record BMS Datalog Communica	tion	Free Status		- 26.6	Destant Onton
- Model Inform	nation		Error Status	wa	m Status	Protect Status
Com State	Offline Model		Voita	ge Error	Pack OV	Pack OV
			Temper	ature Error	Cell OV	Cell OV
Version	SN				Pack UV	Pack UV
			Ceiro	noalance	Cell UV	Cell UV
Battery Info	mation				Charge OC	Charge OC
Status	Heater	SOC	% SOH	%	Discharge OC	Discharge OC
Voltage [V Current	A Capacity	AH Remain C	AH	Temp Anmaly	Temp Anmaly
Max Vol	V Min Vol	V Vol Diff	V Max C-C	A	MOS OT	MOS OT
Max Temp	°C Min Temp	°C Temp Diff	°C Cell Num		Charge OT	Charge OT
Temperatur	e Information(°C)				Disharge OT	Disharge OT
				_	Charge UT	Charge UT
PC8 Temp	Ambient T	emp		_	Discharge UT	Discharge UT
					Low Capacity	Float Stoped
Temp01	Temp02	Temp03	Temp04		Other Error	Discharge SC
Voltage(V)						
Cell01	Cell02 Cell03	Cell04	Cell05	Cell06	Cell07	Cell08
Cell09	Cell10 Cell11	Cell12	Cell13	Cell14	Cell15	Cell16

6. Cambie el "ID" a 64.

BMS_TOOLS	V1.0					- 0 ×
Monitor Status COM C	COM30 V Refresh	Boud Rate 9600 V				ID: 64 Start Monitoring
BMS Monitoring	BMS Parameter Historical Record BMS Datalog	Communication	Fron	Status	Warn Status	Protect Status
				Voltage Error	Pack OV	Pack OV
Com State	Offline Model			Temperature Error	Cell OV	Cell OV
Marrian	CN .			Current Error	Pack UV	Pack UV
version	54			Cell Unbalance	Cell UV	Cell UV
Battery Inform	ation				Charge OC	Charge OC
Status	Heater	SOC	% SOH	%	Discharge OC	Discharge OC
Voltage	V Current	A Capacity	AH Remain C	AH	Temp Anmaly	Temp Anmaly
Max Vol	V Min Vol	V Vol Diff	V Max C-C	A	MOS OT	MOS OT
Max Temp	°C Min Temp	°C Temp Diff	°C Cell Num		Charge OT	Charge OT
Temperature	Information(°C)				Disharge OT	Disharge OT
					Charge UT	Charge UT
PC8 Temp		Ambient Temp			Discharge UT	Discharge UT
Temp01	Temp02	Temp03	Temp04		Low Capacity	Float Stoped
					Other Error	Discharge SC
Voltage(V)						
Cell01	Cell02	Cell03 Cell04	Cell05	Cell06	Cell07	Celi08
Cell09	Cell10	Cell11 Cell12	Cell13	Cell14	Cell15	Cell16

7. Seleccione, "Iniciar Monitoreo" = "Start Monitoring"

BMS_TOOLS V	1.0					- a ×
Monitor Status COM CI	0M30 V Refresh	Baud Rate 9600 V				ID: 64 🗸 Start Monitoring
BMS Monitoring Model Informa	BMS Parameter Historical Record BMS Datalog	Communication	Error Statu	5	Warn Status	Protect Status
Com State	Office			Voltage Error	Pack OV	Pack OV
Com State				Temperature Error	Cell OV	Cell OV
Version	SN			Current Error	Pack UV	Pack UV
				Cell Unbalance	Cell UV	Cell UV
Battery Inform	ation				Charge OC	Charge OC
Status	Heater	SOC	% SOH	%	Discharge OC	Discharge OC
Voltage	V Current	A Capacity	AH Remain C	AH	Temp Anmaly	Temp Anmaly
Max Vol	V Min Vol	V Vol Diff	V Max C-C	A	MOS OT	MOS OT
Max Temp	°C Min Temp	°C Temp Diff	°C Cell Num		Charge OT	Charge OT
Temperature I	nformation(°C)				Disharge OT	Disharge OT
					Charge UT	Charge UT
PC8 Temp		Ambient Temp			Discharge UT	Discharge UT
Terrell	Terrell	Transit	T04		Low Capacity	Float Stoped
Temp01	Tempoz	Tempos	Tempo4		Other Error	Discharge SC
Voltage(V)						
Cell01	Cell02	Cell03 Cell04	Cell05	Cell06	Cell07	Cell08
Cell09	Cell10	Cell11 Cell12	Cell13	Cell14	Cell15	Cell16

8. El "Estado de comunicación" ahora cambiará de "Sin conexión" a "Conectado". El sistema ahora monitoreará los valores de la batería en tiempo real.

itor Status													
сом со	M30 \vee Refresh		Baud Rate	9600 V								ID: 64 \vee	Stop Monitorin
5 Monitoring	BMS Parameter Historica	Record BMS Data	og Communication										
odel Informati	n						Error Status		Warn Statu:			Protect Status	
	Quite a	and a					Voltage	e Error		Pack OV		F	Pack OV
im State	Unine	Model		LFP-51.2V100An-V1.0			Temperat	ture Error		Cell OV			Cell OV
Version	Z02T15	SN		2023-10-13			Curren	t Error		Pack UV			Pack UV
							Cell Uni	balance		Cell UV			Cell UV
ttery Informat	ion									Charge OC		C	harge OC
Status	Standby	Heater	Heat off	soc	99	% SOH	100	0] %	Discharge OC		Dis	charge OC
oltage	53.86	V Current	0.00	A Capacity	100	AH Remain	C 99		AH	Temp Anmaly		Ter	mp Anmaly
ax Vol	3.370	V Min Vol	3.365	V Vol Diff	0.005	V Max C-	5] A	MOS OT		,	MOS OT
ax Temp	35		35		0	°C Cell Nur	16	i	1	Charge OT		d	harge OT
maaraturo In	formation (00°)									Disharge OT		Dir	sharge OT
inperotore pr	ormoloni, cy									Charge UT		c	harge UT
38 Temp	35		Ambient Temp	3	34					Discharge UT		Dis	charge UT
										Low Capacity		Fic	at Stoped
emp01	35	Temp02	35	Temp03	35	Temp04	3	34		Other Error		Dis	charge SC
tage(V)													
801	3.367 Cell02	3.369	Cell03 3.3	68 Cell04	3.366	Cell05	3.366	Cell06	3.366	Cell07	3.365	Cell08	3.367
1109	3.365 Cell10	3.367	Cell11 3.3	66 Cell12	3.366	Cell13	3.366	Cell14	3.370	Cell15	3.366	Cell16	3.368