Programación de Parámetros de Controlador XTRA-XXXX-N para Batería de Litio (LiFePO4).

1 Instalé el programa para la PC (Computadora Personal) de la siguiente dirección

https://www.epsolarpv.com/



2 Seleccione las opciones de SUPPORT / SOFTWARE



3 Descargue el siguiente programa: Charge Controller V 1.95 – Window .zip



Descarga en proceso



4 Extraer los archivos en la carpeta destino

	N 2 N 2 I	
🚹 Charge Co	ontroller V1.95-Windows (3)	
Scree Scree	Abrir	
🔊 SDI52	Abrir en una ventana nueva	
🔛 Scree	Añadir al menú Inicio	
Scree	Extraer todo	
🔊 cot 1		

5 Seleccione carpeta destino

Seleccionar un destino y extraer archivos

Los archivos se extraerán a esta carpeta:

C:\Users\Edmundo Pérez\Downloads\Charge Controller V1.95-Windows (3)

Examinar...

Mostrar los archivos extraídos al completar

6 Una vez extraídos los archivos vaya a la carpeta PCsoftware

ombre	Тіро
Installation guidance	Carpeta de archivos
PCsoftware	Carpeta de archivo:
USBDriver	Carpeta de archivos

7 Seleccione la aplicación setup para instalar el software



😽 SolarStationMonitor

– 🗆 X

Welcome to the SolarStationMonitor Setup Wizard



The installer will guide you through the computer.	steps required to install	SolarStationMonitor	on your
WARNING: This computer program is p Unauthorized duplication or distribution or criminal penalties, and will be prosec	protected by copyright la of this program, or any cuted to the maximum ex	aw and international portion of it, may res ttent possible under	treaties. ult in severe civil the law.
	Cancel	< Back	Next >

8 Siga las instrucciones de la pantalla, presione NEXT

alest Installation Folder		
elect installation Folder		L
e installer will install SolarStationMonitor to the following folder.	2	
install in this folder, click "Next". To install to a different folder	, enter it below or	click "Browse".
Eolder:		
C:\Program Files (x86)\EPEVER\SolarStationMonitor\		Browse
		Disk Cost
nstall SolarStationMonitor for yourself, or for anyone who uses	this computer:	
Just me		
Ŭ,		
Cancel	< Back	Next >
Cancel	< Back	Next >
Cancel	< Back	Next >
Cancel	< Back	Next >
Cancel	< Back	Next >
Cancel	< Back	Next >
Cancel a las instrucciones de la pantalla, presione NEXT SolarStationMonitor	< Back	Next>
Cancel a las instrucciones de la pantalla, presione NEXT SolarStationMonitor	< Back	Next>
Cancel a las instrucciones de la pantalla, presione NEXT ColarStationMonitor Confirm Installation	< Back	Next>
Cancel a las instrucciones de la pantalla, presione NEXT SolarStationMonitor Onfirm Installation	< Back	Next>
Cancel a las instrucciones de la pantalla, presione NEXT SolarStationMonitor Onfirm Installation e installer is ready to install SolarStationMonitor on your compu	< Back	Next>
Cancel Cancel a las instrucciones de la pantalla, presione NEXT SolarStationMonitor Onfirm Installation e installer is ready to install SolarStationMonitor on your compu	< Back	Next>
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Cancel a las instrucciones de la pantalla, presione NEXT SolarStationMonitor Onfirm Installation e installer is ready to install SolarStationMonitor on your compu	< Back	Next>
Cancel a las instrucciones de la pantalla, presione NEXT GolarStationMonitor Onfirm Installation e installer is ready to install SolarStationMonitor on your compute k "Next" to start the installation.	< Back	Next>
Cancel a las instrucciones de la pantalla, presione NEXT iolarStationMonitor Diffirm Installation a installer is ready to install SolarStationMonitor on your comput k "Next" to start the installation.	< Back	Next>
Cancel a las instrucciones de la pantalla, presione NEXT SolarStationMonitor Dnfirm Installation a installer is ready to install SolarStationMonitor on your comput. k "Next" to start the installation.	< Back	Next>

Cancel

< Back

Next>

10 Siga las instrucciones de la pantalla, presione NEXT

			×
Monitor		(
Lancel	< Back	Next	>
			×
ully installed.			
for any critical updates to	the .NET Framew	ork.	
	Image: second	Monitor	Image: Section of the section of th

11 Presione Close

12 Conecte el adaptador de comunicación entre la PC y el controlador de carga utilizando, el modelo del adaptador es CC-USB-485-150U. La línea de comunicación es especial para la PC y controlador. Utilice su puerto USB de la PC, y el otro conector del adaptador en el puerto correspondiente del controlador (RS485 o TTL), el diagrama de conexión se muestra a continuación:

Nota, después de conectar el adaptador USB entre la PC y el controlador de Carga, alimente el controlador para poder establecer comunicación



13 Vaya a Administración de dispositivos en la PC



14 Verifique en **Puertos (COM y LPT)** el driver XR21B1411 USB UART (COMX), si el driver muestra errores se deberán actualizar los drivers, abra la carpeta USBDriver, y ejecute el icono Setup

Nombre	Тіро
Installation guidance	Carpeta de archivos
PCsoftware	Carpeta de archivos
USBDriver	Carpeta de archivos

Abra la carpeta USBDriver



15 Una vez que el Driver XR21B1411 USB UART (COMX) no muestre errores, proceda a configurarlo con el puerto

COMX que haya asignado la	Puertos (COM y LPT) * XR21B1411 USB UART	(COM4))
16 Click derecho en el Drive	XR2181411 USB UART y sele	ccione Propiedades
 Dispositivos de software Dispositivos del sistema Entradas y salidas de audio Equipo Firmware Monitores Mouse y otros dispositivos seña Procesadores Puertos (COM y LPT) 	adores	
XR21B1411 USB UART COM C	Actualizar software de controlador Deshabilitar Desinstalar Buscar cambios de hardware Propiedades	

17 Capture los parámetros como lo indica la siguiente figura en la pestaña "Port Setting"

	Bits per	second: 115200	•
	C	Data bits: 8	•
		Party: None	•
	-	Stop bits: 1	•
	Row	v control: None	•
1	₩ RS-485	Advanced	Restore Defaults
	☐ Wide Mode		
	🔽 Low Latency Mode	50000] (bps and less)

ejemplo es el COM4



19 Active la aplicación Solar Station MonitorV1.95



20 Una vez cargada la aplicación seleccione "Port Config (C)"



21 Seleccione el Puerto COM4 que se obtuvo en el punto 12 y presione agregar "Add"

COM4(Doesn't exist o	Station Name	•	~	Device ID	1	Inte
	Solar Information	Batt	tery Information			
	<i>(</i>	S	erial Port Setting	-		×
	СОМ			Configuration		
	Port		Device Manager			
	Baud rate	115200 🗸				
	Data Bits	8 ~				
	Stop Bits	1 🗸				
	Parity	None 🗸		Ad	d Dele	te

22 Actualice " UPDATE"

Num1 Statio	n Name Num1 🗸	Device ID 1
Solar Informati	on Battery Informati	ion
(ms	Serial Port Se	etting
СОМ		Configuration
Port	COM4 V Device Manage	er COM4
Baud rate	115200 🗸	
Data Bits	8 🗸	
Stop Bits	1 🗸	
Parity	None 🗸	Update Delete

COM	Configuration
Port	COM4 V Device Manager COM4
Baud rate	115200
Data Bits	8 Update successful
Stop Bits	1 Aceptar
Parity	None V Update Delete

23 Seleccione Edit Station

(m)		EPEVER	 Administrator
System(F) View(V) Port Config(C) Pa	rameters (P) Monitoring(M) Main	tenance(K) Help(H)	
Station Explorer COM4	Station Name Num1	v Device ID	1
Add Station Edit Station Delete Station	Solar Information Solar Current (A)	Battery Information Battery Voltage(V)	Battery Current(/

24 Actualice la información en cada una de las pestañas de acuerdo al Sistema a Instalar, algunos campos son mandatorios marcados con asterisco, al finalizar actualice "UPDATE"

E Station Explorer		Station Information
E·····································	Station Information Solar Batte	ry Controller
	Station Name No.	um 1 •
	Device ID 1	•
	Country	ina •
	City Zo	•
	Responsible Person Se	an
	Contact Name 01	0
	Rated Power(W) 50	· <>>
	Installation Time 09	/03/2020 .
	Rated Voltage(V) 12	· • · <=
	Battery Capacity(Ah) 20	0 <
	Comments	

25 Para la programación de las baterías de Litio (Modelo LI10012C) se deberá seleccional la opción Parameters (P) / Control de Parameter / Control Parameter (For LiBattery controller product) como lo muestra la siguiente figura



Charging Mode	Volt.Comp.	\checkmark	Boost Duration(m)	120	120
Battery Capacity(Ah)	200 200		Equalisation Duration (m)	120	120
Temp. Compensation Coefficient(mV/°C/2V)	-3				
LiBattery Protection	启用	~	Oilengine Controlsignal	关闭	¥
OverTenp. DropPower	关闭	~			
Over Volt.Disconnect Volt.(V)	16.00		Charging Limit Voltage(V)	15.00	
Over Volt.Reconnect Volt.(V)	15.00		Discharging Limit Volt.(V)	10.60	
Equalisation Charging Volt. (V)	14.60		Low Volt.Disconnect Volt.(V)	11.10	
Boost Charging Volt.(V)	14.40		Low Volt.Reconnect Volt.(V)	12.60	
Float Charging Volt.(V)	13.80		Under Vol.Warning Volt.(V)	12.00	
Boost Recon.Charg.Volt.(V)	13.20		Under Volt.Wam.Reco.Volt.(V)	12.20	

Update Restore Default Export Settings Import Settings

Read

26 Presione Restore Default

Station Name Num1 V								
Rated Voltage(V)	Rated	Load Current	(A)		Rated Chargin	g Current(A)		
	Default	Curren	t			Default	Currer	nt
Battery Type	LiBattery	LiBattery	~	Rated Voltag	ge Level	12V	12V	
LiBattery Type	LiFePO4	LiFePO4	~	Series Numb	ber	3	4	
Charging Mode	Volt.Comp.	Volt.Com	• v	Boost Duration(m)		120	120	
Battery Capacity(Ah)	200	200		Equalisation Duration (m)		120	120	_
Temp. Compensation Coefficient(mV/°C/2V)	-3	-3						
LiBattery Protection	启用	Enable	~	Oilengine Controlsignal		关闭	Disable	
OverTenp. DropPower	关闭	Disable	~					
Over Volt.Disconnect Volt.(V)	15.60	15.60		Charging Limit Voltage(V)		14.60	14.60	
Over Volt.Reconnect Volt.(V)	14.70	14.70		Discharging Limit Volt.(V)		10.60	10.60	_
Equalisation Charging Volt. (V)	14.50	14.50		Low Volt.Disconnect Volt.(V)		11.10	11.10	
Boost Charging Volt.(V)	14.50	14.50		Low Volt.Reconnect Volt.(V)		12.80	12.80	_
Float Charging Volt.(V)	13.80	13.80		Under Vol.Warning Volt.(V)		12.00	12.00	
Boost Recon.Charg.Volt.(V)	13.20	13.20		Under Volt Warn Reco Volt 00		12.80	12.80	

27 Realice los cambios en parámetros deseados como lo indica la siguiente imagen y actualice "UPDATE"

Station Nar	me Num1	~	Device ID 1		
Rated Voltage(V)	Rated	Load Current(A)	Rated Chargin		
	Default	Current		Default	Current
Battery Type	LiBattery	LiBattery ∨	Rated Voltage Level	12V	12V v
LiBattery Type	LiFePO4	User v	Series Number	3	4 ~
Charging Mode	Volt.Comp.	Volt.Comp V	Boost Duration(m)	120	120
Battery Capacity(Ah)	200	200	Equalisation Duration (m)	120	120
Temp. Compensation Coefficient(mV/°C/2V)	-3	-3			
LiBattery Protection	启用	Enable 🗸	Oilengine Controlsignal	关闭	Disable 🗸
OverTenp. DropPower	关闭	Disable 🗸			
Over Volt.Disconnect Volt.(V)	15.60	15.60	Charging Limit Voltage(V)	14.60	14.60
Over Volt.Reconnect Volt.(V)	14.70	14.70	Discharging Limit Volt.(V)	10.60	10.60
Equalisation Charging Volt. (V)	14.50	14.40	Low Volt.Disconnect Volt.(V)	11.10	11.10
Boost Charging Volt.(V)	14.50	14.40	Low Volt.Reconnect Volt.(V)	12.80	12.80
Float Charging Volt.(V)	13.80	13.60	Under Vol.Warning Volt.(V)	12.00	12.00
Boost Recon.Charg.Volt.(V)	13.20	13.00 <	Under Volt.Wam.Reco.Volt.(V)	12.80	12.80

for such pr Iracer-BPL, 7	roducts must Tracer-BP, Tr	be set up on iRon, Xtra-N, T	this page, incl racer-AN, GS-GPL	uding the w . and GS-CPI	hole seri I.	ies
e Num1	¥		Device ID 1			
Rated	Load Current(A)		Rated Chargin	g Current(A)		
Default	Current			Default	Currer	nt
LiBattery	LiBattery ∨	Rated Volta	ge Level	12V	12V	~
LiFePO4	User 🗸 🗸	Series Num	ber	3	4	¥
Volt.Comp.		×	(m)	120	120	
200			uration (m)	120	120	
-3	Operation	successful				
启用			rolsignal	关闭	Disable	~
关闭		Aceptar				
15.60	15.60	Charging Lir	nit Voltage(V)	14.60	14.60	
14.70	14.70	Discharging Limit Volt.(V)		10.60	10.60	
14.50	14.40	Low Volt.Disconnect Volt.(V)		11.10	11.10	
14.50	14.40	Low Volt.Reconnect Volt.(V)		12.80	12.80	
13.80	13.60	0 Under Vol.Warning Volt.(V)		12.00	12.00	
13.20	13.00	Under Volt.	Nam.Reco.Volt.(V)	12.80	12.80	
	for such p; [racer-BPL, 1] e Num1 Rated Default LiBattery LiFePO4 Volt.Comp. 200 -3 戶用 关闭 15.60 14.50 13.80 13.20	for such products must fracer-BPL, Tracer-BP, Tr e Num1 Rated Load Current(A) Default Current LiBattery LiBattery UFePO4 User Volt.Comp. 200 -3 Operation 萬用 关闭 15.60 14.70 14.40 13.80 13.60 13.20 13.00	for such products must be set up on fracer-BPL, Tracer-BP, TriRon, Xtra-N, Tri e Rated Load Current(A) Default Current LiBattery LiBattery Rated Load Current(A) Volt.Comp. 200 -3 Period User Series Numt Volt.Comp. 200 -3 Operation successful 萬用 关闭 15.60 15.60 Charging Lin 14.70 14.70 14.50 14.40 Low Volt.Dis 14.50 13.80 13.00 Under Vol.V	for such products must be set up on this page, incl. [racer_BPL, Tracer_BP, TriRon, Xtra-N, Tracer_AN, GS-GPL e Num1 Device ID 1 Rated Load Current(A) Rated Chargin Default Current LiBattery LiBattery Rated Voltage Level LiFePO4 User Series Number (m) 200	for such products must be set up on this page, including the w racer-BPL, Tracer-BP, TriRon, Xtra-N, Tracer-AN, GS-GPL and GS-CPI e Num1 Rated Load Current(A) Device ID Default Current LiBattery LiBattery Volt.Comp. Series Number 200	for such products must be set up on this page, including the whole series including the whole series increases BPL, Tracer-BPL, Tracer-BPL, Tracer-AN, GS-GPL and GS-CPLI. e Num1 ∨ Device ID Rated Load Current(A) Rated Charging Current(A) Default Current Default LiBattery LiBattery ∨ Rated Voltage Level 12V Volt.Comp. (m) 120 120 200

28 Verifique los Parámetros utilizando la opción " Read "

Note:Control parameters for such products must be set up on this page, including the who of LS-LFLL, Tracer-LFLL, Tracer-BFL, Tracer-BFL, TriKon, Xtra-N, Tracer-AH, GS-GFL and GS-CFLL.								ies
	Station Name	Num1	Ŷ		Device ID 1			
Rated Voltage(V)	12.00	Rated	Load Current(A)	40.00	Rated Chargir	ng Current(A)	40.00	
		Default	Current			Default	Currer	nt
Battery Type		LiBattery	LiBattery V	Rated Voltag	je Level	12V	12V	~
LiBattery Type		LiFePO4	User 🗸	Series Numb	er	3	4	~
Charging Mode		Volt.Comp.		×	(m)	120	120	
Battery Capacity(Ah)		200			uration (m)	120	120	
Temp. Compensatior Coefficient(mV/°C/2	n V)	-3	Operation	n successful				
LiBattery Protection	n	启用			rolsignal	关闭	Disable	,
OverTenp. DropPe	ower	关闭		Aceptar				
Over Volt.Disconnec	t Volt.(V)	15.60	15.60	Charging Lim	it Voltage(V)	14.60	14.60	
Over Volt.Reconnec	t Volt.(V)	14.70	14.70	Discharging	Limit Volt.(V)	10.60	10.60	
Equalisation Chargin	g Volt. (V)	14.50	14.40	Low Volt.Dis	connect Volt.(V)	11.10	11.10	
Boost Charging Volt.	Ś	14.50	14.40	Low Volt.Re	connect Volt.(V)	12.80	12.80	
Float Charging Volt.(V)	13.80	13.60	Under Vol.W	aming Volt.(V)	12.00	12.00	
Boost Recon Charg	Volt (V)	13.20	13.00	Under Volt V	Vam Reco Volt (V)	12.80	12.80	