# 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

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



	5 (777)	
🔒 Charg	ae Controller V1.95-Windows (3)	
🔛 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

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

7 Seleccione la aplicación setup para instalar el software



	1	
Cancel	< Back	Next>

8 Siga las instrucciones de la pantalla, presione NEXT

alact Installation Folder				
				L.
e installer will install SolarStationMonitor to the	e following fol	der.		
install in this folder, click "Next". To install to	a different fol	der, enter it b	elow or c	lick "Browse".
Eolder:				
C:\Program Files (x86)\EPEVER\SolarStation	nMonitor\			Browse
			[	Disk Cost
install SolarStationMonitor for yourself, or for a	nyone who u	ses this comp	uter:	
O Everyone				
● Just me				
	Cancel	< Back		Next >
a las instrucciones de la nantalla, nres				
a las instrucciones de la pantalla, pres	sione NEXT			
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a las instrucciones de la pantalla, pres SolarStationMonitor Onfirm Installation e installer is ready to install SolarStationMonito :k "Next" to start the installation.	sione NEXT	nputer.	-	

10 Siga las instrucciones de la pantalla, presione NEXT

🛃 SolarStationMonitor					×
Installing SolarStationMonito	r				5
SolarStationMonitor is being installed.					
Please wait					
	ancel	< Back		Nex	t>
😸 SolarStationMonitor			( <b></b> ))	E	×
Installation Complete					5
SolarStationMonitor has been successfully installe	ed.				
Click "Close" to exit.					
Please use Windows Update to check for any cri	tical updates	to the .NET F	ramewor	k.	
C	ancel	< Back		Clo	se

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 (utilice el voltaje de trabajo que tendrá el controlador).



#### 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

lombre	Tipo
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 l	aPC (	Puertos (COM y LPT) XR21B1411 USB UART	(COM4)	
16 Click derecho en el Drive	er XR218141	1 USB UART y sele	ccione Prop	piedades
» 🙍				
Dispositivos de software				
Dispositivos del sistema				
Entradas y salidas de audio				
🕞 👰 Equipo				
Firmware				
Monitores				
Mouse y otros dispositivos seña	aladores			
Procesadores				
Puertos (COM y LPT)				
TR21B1411 USB UART	445			
> Calados	Actualizar softwar	e de controlador	1	
Unidades de disco	Deshabilitar			
Unidades de DVD o CD-R(	Decinctalar			
	Desiristaidi			

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

Buscar cambios de hardware

Propiedades

B	its per second: 115200	
	Data bits: 8	
	Parity: None	•
	Stop bits: 1	•
	Row control: None	•
 I RS-485	Advanced	Restore Defaults
☐ Wide Mode		
C Low Latency	Mode 50000	• (bps and less)

ejemplo es el COM4

a 🖤 Puertos (COM y LPT) T XR21B1411 USB UART (COM4)

19 Active la aplicación Solar Station MonitorV1.95



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

Gins		na del cade de la cade	EPEVE	R — Administ	trator
System(F) View(V)	Port Config(C)	Parameters (P) juration	Monitoring(M)	Maintenance(K)	Help(H)
	3 💻 (	0			

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

⊡	Station N	ame V	D	evice ID	1	In
	Solar Information	Battery	r Information			
	(FOI)	Seri	al Port Setting			×
	СОМ		C	onfiguration		
	Port	COM4 COM4	evice Manager			
	Baud rate	115200 🗸				
	Data Bits	8 🗸				
	Stop Bits	1 v				
	Parity	None 🗸		Ad	d Delete	]

COM4	Station N	ame Num1 V	Device ID 1	Interv
	Solar Information	Battery Informati	ion	
	(m)	Serial Port Se	etting	×
	СОМ		Configuration	
	Port	COM4 V Device Manage	er COM4	
	Baud rate	115200 🗸		_
	Data Bits	8 🗸		
	Stop Bits	1 🗸		e
	Parity	None V	Update Delete	
	1			

### 22 Actualice "UPDATE"

СОМ	Configuration	
Port	COM4 V Device Manager COM4	
Baud rate	115200	
Data Bits	Update successful	
Stop Bits	1 Aceptar	
Parity	None V Update De	lete

#### 23 Seleccione Edit Station

(ms		EPEVER	<ul> <li>Administrator</li> </ul>
System(F) View(V) Port Config(C)	Parameters (P) Monitoring(M) N	laintenance(K) Help(H)	
COM4	Station Name Num1	✓ Device ID	1
Add Station Edit Station Delete Station	Solar Information Solar Current (A)	Battery Information Battery Voltage(V)	Battery Current(/
	<b>~</b>	~	•

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"

Station Explorer	( <b>6</b> 5	Station Information
E 😰 COM4	Station Information Solar	Battery Controller
	Station Name	Num1 •
	Device ID	1
	Country	China •
	City	Zoo
	Responsible Person	Sean
	Contact Name	010
	Rated Power(W)	500 .
	Installation Time	09/03/2020
	Rated Voltage(V)	12 .
	Battery Capacity (Ab)	200
	Comments	

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

veterm(E) View(V) Port Co						. /	in a con
vstein(i) view(v) Politico	nfig(C) Parar	meters (P) Mo	nitoring(M) Mai	ntenance(K) Help	o(H)		
in 152 154 -	*	Device Paramete	rs 🕨				
😴 📭 💽 🖣		Control Paramet	er 🕨	Control Parameter	Carl (Dattance)	- t II	
Station Explorer	s	System Configurat	ation	Control Parameter(	For Libattery co	ntroller product,	oduct)
Num1	ō	Device Informati	on umr		Devic	e u u u	
		Factory Operatio	n	D-#			
		olar mormatic	)//	Battery Informa	3000		
		Solar Curre	ent (A)	Battery Vol	tage(V)	Battery	Current(A)
Note:Control parameter of LS-LPLI, Tracer-LPLI, Station Na	s for such p Tracer-BPL, me Num1	roducts must Tracer-BP, Tr	be set up on iRon, Xtra-W, Tr	this page, inclu acer-AN, GS-GPL Device ID 1	ding the wh and GS-CPLI	ole series	
Rated Voltage(V)	Rated	Load Current(A)		D. 101 .	o		
	Halou	Lood Contract y		Rated Charging	Current(A)		
	Default	Current		Rated Charging	Current(A) Default	Current	
Battery Type	Default	Current	Rated Voltage	Rated Charging	Default Self-recognitio	Current	
Battery Type LiBattery Type	Default LiBattery LiFePO4	Current	Rated Voltage Series Number	Rated Charging	Default Self-recognitio	Current v	
Battery Type LiBattery Type Charging Mode	Default LiBattery LiFePO4 Volt.Comp.	Current	Rated Voltage Series Numbe Boost Duratio	Hated Charging a Level ar n(m)	Default Self-recognitio 3 120	Current	
Battery Type LiBattery Type Charging Mode Battery Capacity(Ah)	Default LiBattery LiFePO4 Volt.Comp. 200	Current	Rated Voltag Series Numbe Boost Duratio Equalisation [	Hated Charging e Level er n(m) Duration (m)	Default Self-recognitio 3 120	Current	
Battery Type LiBattery Type Charging Mode Battery Capacity(Ah) Temp. Compensation Coefficient M <sup>1//</sup> (C/2/)	Default LiBattery LiFePO4 Volt.Comp. 200 -3	Current  Current  Current  Current  Current  Current  Current  Current  Current Curren	Rated Voltage Series Numbe Boost Duratio Equalisation [	Hated Charging a Level ar n(m) Duration (m)	Default Self-recognitio 3 120 120	Current	
Battery Type LiBattery Type Charging Mode Battery Capacity(Ah) Temp. Compensation Coefficient(m\/*C/2V) LiBattery Protection	Default UBattery UFePO4 Volt Comp. 200 -3 篇用	Current Curren	Rated Voltage Series Numbe Boost Duratio Equalisation ( Ollengine Cor	Rated Charging s Level ir n(m) Duration (m) trolsignal	Current(A) Default Self-recognitio 3 120 120	Current	
Battery Type LiBattery Type Charging Mode Battery Capacity(Ah) Temp. Compensation Coefficient(m\/*C/2V) LiBattery Protection OverTenp. DropPower	Default UBattery UFePO4 Volt.Comp. 200 -3 篇用 关闭	Current Curren	Rated Voltage Series Numbe Boost Duratio Equalisation [ Oilengine Cor	Rated Unarging or n(m) Duration (m) trolsignal	Current (A) Default Self recognitio 3 120 120 关闭	Current	
Battery Type LiBattery Type Charging Mode Battery Capacity(Ah) Temp. Compensation Coefficient/mV/*c/2V) LiBattery Protection Over Tenp. DropPower Over Volt.Disconnect Volt.(V)	Default UBattery UFePO4 Volt Comp. 200 -3 篇用 美闭	Current Curren	Rated Voltage Series Numbr Boost Duratio Equalisation [ Oilengine Cor Charging Limit	Rated Unarging or n(m) Duration (m) trolsignal	Default Self-recognitio 3 120 120 \$\$ff]	Current	
Battery Type LiBattery Type Charging Mode Battery Capacity(Ah) Temp. Compensation Coefficient(mV/*C/2V) LiBattery Protection Over Tenp. DropPower Over Volt. Disconnect Volt.(V) Over Volt. Reconnect Volt.(V)	Default           UBattery           UFePO4           Volt.Comp.           200           -3           眞用           关闭           16.00           15.00	Current Curren	Rated Voltage Series Numbr Boost Duratio Equalisation [ Oliengine Cor Oharging Limit Discharging Limit	Rated Unarging to Level or n(m) Vuration (m) Voltage(V) imit Volt.(V)	Default         Self-recognitio           3         120           120         \$	Current	
Battery Type LiBattery Type Charging Mode Battery Capacity(Ah) Temp. Compensation Coefficient MIV/C/21) LiBattery Protection OverTenp. DropPower Over Volt. Disconnect Volt. (V) Over Volt. Reconnect Volt. (V) Equalisation Charging Volt. (V)	Default           LiBattery           LiFePO4           Volt.Comp.           200           -3           編用           关闭           16.00           15.00           14.60	Current Curren	Rated Voltage Series Numbr Boost Duratio Equalisation [ Ollengine Cor Charging Limit Discharging L	Rated Charging  to Level  r  fr  fr  fr  fr  fr  fr  fr  fr  fr	Default           Self-recognitio           3           120           120           120           15.00           10.60           11.10	Current Curren	
Battery Type LiBattery Type Charging Mode Battery Capacity(Ah) Temp. Compensation Coefficient(M'/C/2/V) LiBattery Protection Over Tenp. DropPower Over Volt. Disconnect Volt. (V) Over Volt. Reconnect Volt. (V) Equalisation Charging Volt. (V) Boost Charging Volt. (V)	Default           UBattery           UFePO4           Volt.Comp.           200           -3           贏用           关闭           16.00           15.00           14.60           14.40	Current  Current  200  200  Current  Current  Current  Current  Current Curren	Rated Voltag Series Numbr Boost Duratio Equalisation [ Ollengine Cor Charging Limit Discharging L Low Volt.Disc Low Volt.Rec	Rated Charging a Level ir in(m) Duration (m) troleignal Voltage(V) imit Volt.(V) onnect Volt.(V) onnect Volt.(V)	Default           Sef-recognitio           3           120           120           120           100           15.00           10.60           11.10           12.60	Current  Current  Current  20  120  20	
Battery Type LiBattery Type Charging Mode Battery Capacity(Ah) Temp. Compensation Coefficient/mV/*C/2V) LiBattery Protection Over Tenp. DropPower Over Volt. Disconnect Volt. (V) Over Volt. Disconnect Volt. (V) Equalisation Charging Volt. (V) Boost Charging Volt. (V) Roat Charging Volt. (V)	Default           LiBattery           LiFePO4           Volt.Comp.           200           -3           島用           关闭           16.00           15.00           14.60           14.40           13.80	Current  Cur	Rated Voltage Series Numbe Boost Duratio Equalisation I Otilengine Cor Charging Limit Discharging L Low Volt.Disc Low Volt.Rec Under Vol.W2	Rated Charging a Level ar n(m) Duration (m) trolsignal : Voltage(V) imit Volt. (V) onnect Volt. (V) uning Volt. (V)	Default           Sef-recognitio           3           120           120           120           15.00           10.60           11.10           12.60           12.00	Current  Current  Current  120  120  Current  Cu	
Battery Type LiBattery Type Charging Mode Battery Capacity(Ah) Temp. Compensation Coefficient(m/V*c/2t/) LiBattery Protection Over Tenp. DropPower Over Volt. Disconnect Volt. (V) Equalisation Charging Volt. (V) Boost Charging Volt. (V) Boost Charging Volt. (V) Boost Charging Volt. (V)	Default           LiBattery           LiFePO4           Volt Comp.           200           -3           贏用           关闭           16.00           15.00           14.60           14.80           13.20	Current Current Courrent Current Curre	Rated Voltage Series Numbe Boost Duratio Equalisation I Oliengine Cor Charging Limi Discharging L Low Volt. Disc Low Volt. Rec Under Volt. We	Rated Charging te Level f r n(m) Duration (m) trolsignal trolsignal volt.(v) onnect Volt.(v) urning Volt.(v) am. Reco. Volt.(v) am. Reco. Volt.(v)	Default           Self-recognitio           3           120           120           120           120           120           120           120           120           120           120           120           120           1200           1200           1200           1200           1200           1200           1200	Current  Cur	

26 Seleccionar el Voltaje de Trabajo del Controlador

Station Nar	ne Num1	~	Device ID	1	
Rated Voltage(V)	Station Name       Num1       ✓       Device ID       1         tage(V)       Rated Load Current(A)       Rated Charging Current(A)         Default       Current       Default       Current         pe       LiBattery       ✓       Rated Voltage Level       Self-recognitio         Type       LiFePO4       ✓       Series Number       3       24/         Mode       Volt.Comp.       ✓       Boost Duration(m)       120       45/         apacity(Ah)       200       200       Equalisation Duration (m)       120       120         w Protection       眞用       ✓       Otiencine Controlsional       羊肉				
	Default	Current		Default	Current
Battery Type	LiBattery	¥	Rated Voltage Level	Self-recognitio	~
LiBattery Type	LiFePO4	¥	Series Number	3	12V 24V
Charging Mode	Volt.Comp.	V	Boost Duration(m)	120	36V 48V
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	

# 27 Presione la tecla READ y después UPDATE

Station Nar	ne Num1	*		Device ID	1	
Rated Voltage(V) 24.00	Rated	Load Current(	A)	20.00 Rated C	harging Current(A)	20.00
	Default	Current			Default	Current
Battery Type	LiBattery	LiBattery	~	Rated Voltage Level	24V	24V
LiBattery Type	LiFePO4	User	~	Series Number	3	6
Charging Mode	Volt.Comp.	Volt.Comp	$\sim$	Boost Duration(m)	120	120
Battery Capacity(Ah)	200	200		Equalisation Duration (m)	120	120
Temp. Compensation Coefficient(mV/°C/2V)	-3	0				
LiBattery Protection	启用	Enable	~	Oilengine Controlsignal	关闭	Disable
OverTenp. DropPower	关闭	Disable	¥			
Over Volt.Disconnect Volt.(V)	16.00	32.00		Charging Limit Voltage(V)	15.00	30.00
Over Volt.Reconnect Volt.(V)	15.00	30.00		Discharging Limit Volt.(V)	10.60	21.20
Equalisation Charging Volt. (V)	14.60	28.80		Low Volt.Disconnect Volt.(\	/) 11.10	22.20
Boost Charging Volt.(V)	14.40	28.80		Low Volt.Reconnect Volt.(V	) 12.60	25.20
Float Charging Volt.(V)	13.80	27.60		Under Vol.Warning Volt.(V)	12.00	24.00
Boost Recon.Charg.Volt.(V)	13.20	26.40		Under Volt.Wam.Reco.Volt	.(V) 12.20	24.40

28 Realice los cambios en parámetros deseados como lo indica la siguiente imagen y actualice "UPDATE" Tabla para sistema de 24V

	Station Name	Num1	~		Device ID	1		
Rated Voltage(V) 24	24.00	Rated	Load Current	(A)	20.00 Rated C	harging Current(A)	20.00	
		Default	Current	:		Default	Currer	nt
Battery Type		LiBattery	LiBattery	~	Rated Voltage Level	24V	24V	
LiBattery Type		LiFePO4	User	~	Series Number	3	6	
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	0					
LiBattery Protection		启用	Enable	¥	Oilengine Controlsignal	关闭	Disable	
OverTenp. DropPov	ver	关闭	Disable	~				
Over Volt.Disconnect	Volt.(V)	16.00	31.20		Charging Limit Voltage(V)	15.00	29.20	
Over Volt.Reconnect	Volt.(V)	15.00	29.40		Discharging Limit Volt.(V)	10.60	21.20	
Equalisation Charging	Volt. (V)	14.60	28.80		Low Volt.Disconnect Volt.(V	) 11.10	22.20	
Boost Charging Volt.(V	0	14.40	28.80		Low Volt.Reconnect Volt.(V	) 12.60	25.20	
Float Charging Volt.(V)	)	13.80	27.00		Under Vol.Warning Volt.(V)	12.00	24.00	
Boost Recon Charg V	olt (V)	13.20	26.00		Under Volt Warn Reco Volt	() 12.20	24.40	

# Si se trabaja en 12V los parámetros son los de la siguiente figura

Station Nar	ne Num1	*	Device ID 1		
Rated Voltage(V)	Rated I	.oad Current(A)	Rated Chargin	ng Current(A)	
	Default	Current		Default	Current
Battery Type	LiBattery	LiBattery V	Rated Voltage Level	12V	12V 🗸
LiBattery Type	LiFePO4	User 🗸	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

# Actualice los cambios realizados. (UPDATE ).

Control Par	rameter(For L	iBattery cont	roller product)			
s for such pr ,Tracer-BPL, 1	roducts must Fracer-BP, Tri	be set up on Ron,Xtra-N,T	this page, incl racer-AN, GS-GPL	uding the w . and GS-CPL	hole seri I.	ies
ame Num1	~		Device ID 1			
Rated	Load Current(A)		Rated Chargin	ng Current(A)		
Default	Current			Default	Currer	nt
LiBattery	LiBattery 🗸	Rated Volta	age 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 Li	mit Voltage(V)	14.60	14.60	
14.70	14.70	Discharging	g Limit Volt.(V)	10.60	10.60	
14.50	14.40	Low Volt.Di	sconnect Volt.(V)	11.10	11.10	
14.50	14.40	Low Volt.R	econnect Volt.(V)	12.80	12.80	
13.80	13.60	Under Vol.	Warning Volt.(V)	12.00	12.00	
12 20	13.00	Linder Velt		12.80	12.80	_
	Control Pai s for such pa , Tracer BPL, 1 me Num1 Rated Default LiBattery LiFePO4 Volt.Comp. 200 -3 [月月 美闭 15.60 14.50 14.50 14.50	Control Parameter(For L s for such products must , Tracer-BPL, Tracer-BP, Tri me Num1 Rated Load Current(A) Default Current LiBattery LiBattery User Volt.Comp. 200 -3 () 0peration 篇用 美闭 () 15.60 15.60 14.70 14.50 14.40 13.80 13.60	Control Parameter(For LiBattery cont s for such products must be set up on , Tracer-BPL, Tracer-BP, TriRon, Xtra-H, T me Num1 Rated Load Current(A) Default Current LiBattery LiBattery Rated Voltz LiFePO4 User   Series Num Volt.Comp. 200 -3 Operation successful 雇用 美闭 15.60 15.60 Charging Li 14.70 14.70 Discharging 14.50 14.40 Low Volt.Pi 13.80 13.60 Under Vol.V	Control Parameter(For LiBattery controller product) s for such products must be set up on this page, incl , Tracer-BPL, Tracer-BP, TriRon, Xtra-H, Tracer-AH, GS-GPI me Num1 v Device ID 1 Rated Load Current(A) Rated Voltage Level LiBattery LiBattery Rated Voltage Level LiFePO4 User v Series Number Volt.Comp. 200 3 Operation successful I5.60 15.60 Charging Limit Voltage(V) 14.70 14.70 Discharging Limit Volt.(V) 14.50 14.40 Low Volt.Disconnect Volt.(V) 13.80 13.60 Under Vol.Warning Volt.(V)	Control Parameter(For LiBattery controller product) s for such products must be set up on this page, including the w, Tracer-BPL, Tracer-BP, TriRon, Xtra-N, Tracer-AN, GS-GPL and GS-CPL me Num1  Device ID 1 Rated Load Current(A)  Default Current  Default Current  Default Current  Default  LiBattery  LiBattery  Rated Voltage Level  12V LiFePO4 User  Series Number  3 Volt.Comp. Yoh Comp. Operation successful  olignal  #/// fill fi.60  15.60  Charging Limit Voltage(V)  14.60 14.70  14.40  Low Volt.Disconnect Volt.(V)  11.10 14.50  14.40  Low Volt.Reconnect Volt.(V)  12.00 Page  Default  De	Control Parameter(For LiBattery controller product)         s for such products must be set up on this page, including the whole ser;         Tracer-BPL, Tracer-BP, TriRon, Xtra-H, Tracer-AH, GS-GPL and GS-CPLI.         me       Num1 ∨         Device ID       1         Rated Load Current(A)       Rated Charging Current(A)         Default       Current         LiBattery       LiBattery ∨         Rated Voltage Level       12V         Volt.Comp.       (m)         200       3         Operation successful       nation (m)         IS.60       15.60         Charging Limit Voltage(V)       14.60         14.70       14.70         Discharging Limit Voltage(V)       11.10         14.50       14.40         Low Volt.Reconnect Volt.(V)       12.80         13.80       13.60       Under Vol.Warning Volt.(V)

29 Verifique los Parámetros estén correctos utilizando la opción " Read "

Note:Control paramet of LS-LPLI, Tracer-LI	ters for such p PLI, Tracer-BPL,	roducts must Tracer-BP, Tri	be set up on Ron, Xtra-N, T	this page, incl racer-AN, GS-GPL	uding the w and GS-CPL	hole seri I.	ies
Station	Name Num1	~		Device ID 1			
Rated Voltage(V) 12.00	Rated	Load Current(A)	40.00	Rated Chargin	g Current(A)	40.00	
	Default	Current			Default	Currer	nt
Battery Type	LiBattery	LiBattery V	Rated Volta	ge Level	12V	12V	
LiBattery Type	LiFePO4	User 🗸	Series Num	ber	3	4	
Charging Mode	Volt.Comp.		×	(m)	120	120	
Battery Capacity(Ah)	200			uration (m)	120	120	
Temp. Compensation Coefficient(mV/°C/2V)	-3	Operation	successful				
LiBattery Protection	启用			rolsignal	关闭	Disable	,
OverTenp. DropPower	关闭		Aceptar				
Over Volt.Disconnect Volt.(V)	) 15.60	15.60	Charging Li	mit 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. (\	/) 14.50	14.40	Low Volt.Di	sconnect Volt.(V)	11.10	11.10	
Boost Charging Volt.(V)	14.50	14.40	Low Volt.Re	econnect Volt.(V)	12.80	12.80	
Float Charging Volt.(V)	13.80	13.60	Under Vol.V	Vaming Volt.(V)	12.00	12.00	
Boost Recon.Charg.Volt.(V)	13.20	13.00	Under Volt.	Warn.Reco.Volt.(V)	12.80	12.80	

# PROGRAMACIÓN DE PARAMETROS PARA BATERÍAS DE LITIO MODELO LI-10012C UTILIZANDO FUNCION "IMPORT SETTINGS"

Esta función permite la programación del controlador solar de forma sencilla y rápida mediante La descarga o importación de los datos de un archivo txt

Hay 3 archivos TXT que podremos utilizar para la programación de parámetros de los controladores solares

#### Familia XTRA-XXXX-N

Esta familia de controladores se puede programar para bancos de 12V (archivo Li12VConfig) ó 24V (archivo Li24VConfig)

#### Familia TRACER-XXXX-AN

Esta familia de controladores se puede programar para bancos de 12V (archivo Li12VConfig) , 24V (archivo Li24VConfig) ó 48V (archivo Li48VConfig)

# Programación de parámetros para sistema a 24V

1- En la aplicación EPEVER – Administrator

Edite la Estación (Station Num1)



2- Vaya a Station Information y capture el Rated Voltage(V) y actualice(UPDATE), Aceptar Update succesful,

Solar Solar	Battery Controller		
Station Name	Num1	•	No. 1
Device ID	1	•	里 击 沃 加 図 皆
Country	China	•	Click to
City	Zoo	•	add picture
Responsible Person	Sean		
Contact Name	010		
Rated Power(W)	500	•	
Installation Time	18/05/2020	•	
Rated Voltage(V)	24 🗸		
Battery Capacity(Ah)	2000		Update successful
Comments		_	
			Aceptar
Please note items with * mu	ist be filled		

3- Alimente el controlador con 24 Volts, Selección opción Parameters (P) / Control Parameters / Control Parameter (For LiBattery controller product )



4- Seleccione Import Settings de la pantalla anterior y cargue el archivo Li24Config para sistema a 24 Volts



Se desplegara la siguiente pantalla, al importar se mostrara la siguiente pantalla preciones aceptar

Note:Control parameters of LS-LPLI, Tracer-LPLI,	: for such p Tracer-BPL,	roducts must Tracer-BP, Tri	be set up on th Ron, Xtra-N, Trac	nis page, incl er-AN, GS-GPL	uding the w and GS-CPL	hole ser: I.	ies
Station Nar	ne Num1	¥		Device ID 1			
Rated Voltage(V)	Rated	Load Current(A)		Rated Chargin	g Current(A)		
	Default	Current			Default	Currer	nt
Battery Type	LiBattery	LiBattery ∨	Rated Voltage I	_evel	24V	24V	~
LiBattery Type	LiFePO4			< I	3		~
Charging Mode	Volt.Comp.				120	120	
Battery Capacity(Ah)	200	Settings import	ted successfully	ı (m)	120	120	
Temp. Compensation Coefficient(mV/°C/2V)	-3						
LiBattery Protection	启用		Aceptar	al	关闭	Disable	~
OverTenp. DropPower	关闭	Disable 🗸					
Over Volt.Disconnect Volt.(V)	16.00	31.20	Charging Limit V	/oltage(V)	15.00	29.20	
Over Volt.Reconnect Volt.(V)	15.00	29.40	Discharging Lim	it Volt.(V)	10.60	21.20	
Equalisation Charging Volt. (V)	14.60	28.80	Low Volt.Discor	nnect Volt.(V)	11.10	22.20	
Boost Charging Volt.(V)	14.40	28.80	Low Volt.Recor	nect Volt.(V)	12.60	25.60	
loat Charging Volt.(V)	13.80	27.20	Under Vol.Warr	ing Volt.(V)	12.00	24.00	
Boost Recon.Charg.Volt.(V)	13.20	26.00	Under Volt.Wan	n.Reco.Volt.(V)	12.20	25.60	

# Actualice pulsando el botón de Update y Aceptar

Note:Control parameters of LS-LPLI, Tracer-LPLI,	Control Par for such pr Tracer-BPL, 1	rameter(Fo roducts mu Iracer-BP,	or LiE 1st b TriR	Battery controller product) e set up on this page, incl on, Xtra-N, Tracer-AN, GS-GPL	an Operat	ion successful
Station Nan	ne Num1	¥		Device ID 1		Aceptar
Rated Voltage(V)	Rated	Load Current(	A)	Rated Chargin	g Current(A)	
	Default	Current			Default	Current
Battery Type	LiBattery	LiBattery	~	Rated Voltage Level	24V	24V 🗸
LiBattery Type	LiFePO4	User	~	Series Number	3	6 ¥
Charging Mode	Volt.Comp.	Volt.Comp	$\vee$	Boost Duration(m)	120	120
Battery Capacity(Ah)	200	200		Equalisation Duration (m)	120	120
Temp. Compensation Coefficient(mV/°C/2V)	-3	0				
LiBattery Protection	启用	Enable	~	Oilengine Controlsignal	关闭	Disable 🗸
OverTenp. DropPower	关闭	Disable	~			
Over Volt.Disconnect Volt.(V)	16.00	31.20		Charging Limit Voltage(V)	15.00	29.20
Over Volt.Reconnect Volt.(V)	15.00	29.40		Discharging Limit Volt.(V)	10.60	21.20
Equalisation Charging Volt. (V)	14.60	28.80		Low Volt.Disconnect Volt.(V)	11.10	22.20
Boost Charging Volt.(V)	14.40	28.80		Low Volt.Reconnect Volt.(V)	12.60	25.60
Float Charging Volt.(V)	13.80	27.20		Under Vol.Warning Volt.(V)	12.00	24.00
Boost Recon.Charg.Volt.(V)	13.20	26.00		Under Volt.Wam.Reco.Volt.(V)	12.20	25.60

5- Re-inicie el controlador (desconecte y conecte la alimentación) y posteriormente seleccione la opción Read para verificar los parámetros programados , de click en Aceptar.

ř	Control Par	ameter(For L	iBattery controller product)	_	
Note:Control parameter of LS-LPLI,Tracer-LPLI	s for such pr , Tracer-BPL, T	oducts must Tracer-BP, Tri	be set up on this page, incl Ron, Xtra-N, Tracer-AN, GS-GPL	udi ar Operat	ion successful
Station Na	ame Num1	~	Device ID 1	-	Aceptar
Rated Voltage(V) 24.00	Rated I	Load Current(A)	20.00 Rated Chargin	g Current(A)	20.00
	Default	Current		Default	Current
Battery Type	LiBattery	LiBattery V	Rated Voltage Level	24V	24V 🗸
LiBattery Type	LiFePO4	User 🗸	Series Number	3	6 ¥
Charging Mode	Volt.Comp.	Volt.Comp \vee	Boost Duration(m)	120	120
Battery Capacity(Ah)	200	200	Equalisation Duration (m)	120	120
Temp. Compensation Coefficient(mV/°C/2V)	-3	0			
LiBattery Protection	启用	Enable 🗸	Oilengine Controlsignal	关闭	Disable 🗸
OverTenp. DropPower	关闭	Disable 🗸			
Over Volt.Disconnect Volt.(V)	16.00	31.20	Charging Limit Voltage(V)	15.00	29.20
Over Volt.Reconnect Volt.(V)	15.00	29.40	Discharging Limit Volt.(V)	10.60	21.20
Equalisation Charging Volt. (V)	14.60	28.80	Low Volt.Disconnect Volt.(V)	11.10	22.20
Boost Charging Volt.(V)	14.40	28.80	Low Volt.Reconnect Volt.(V)	12.60	25.60
Float Charging Volt.(V)	13.80	27.20	Under Vol.Warning Volt.(V)	12.00	24.00
Boost Recon.Charg.Volt.(V)	13.20	26.00	Under Volt.Wam.Reco.Volt.(V)	12.20	25.60

# Programación de parámetros para sistema a 12V

1- Vaya a Edit Station / Station Information y capture el Rated Voltage(V) y actualice actualicé presionando el botón de Update

(FE)	Station Information	×
Station Information Solar E	Battery Controller	
Station Name Device ID Country City Responsible Person Contact Name Rated Power(W) Installation Time Rated Voltage(V) Battery Capacity(Ah) Comments	Num1 ・ 単击 1 ・ 単击 添加图片 China ・ Click to Zoo ・ add picture Sean ・ 22/05/2020 ・ 12 ・ 12 ・ 12 ・ 12 ・ 12 ・ 12 ・ 12	
Please note items with * must	be filled	
Open Station Information	dialogue box automically upon start-up Update Exit	

1- Alimente el controlador con 12 Volts, Selección opción Parameters (P) / Control Parameters / Control Parameter (For LiBattery controller product )



Al seleccionar se mostrara la siguiente pantalla

ï	Control Pa	rameter(For Lif	Battery controlle	er product)		
Note:Control parameters of LS-LPLI, Tracer-LPLI,	for such pr Tracer-BPL, 1	roducts must b Tracer-BP, TriR	e set up on thi on,Xtra-N,Trace	is page, inc er-AN, GS-GP	luding the wh L and GS-CPLL	ole series
Station Nan	ne Num1	~	C	evice ID	1	
Rated Voltage(V)	Rated	Load Current(A)		Rated Chargi	ng Current(A)	
	Default	Current			Default	Current
Battery Type	LiBattery	¥	Rated Voltage Le	evel	Self-recognitio	¥
LiBattery Type	LiFePO4	¥	Series Number		3	¥
Charging Mode	Volt.Comp.	Y	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 Control	signal	关闭	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
OverTenp. DropPower	关闭	<b>v</b>				
over Volt.Disconnect Volt.(V)	16.00		Charging Limit Vo	oltage(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	
loat Charging Volt.(V)	13.80		Under Vol.Warnin	ng Volt.(V)	12.00	
Boost Recon.Charg.Volt.(V)	13.20		Under Volt.Wam	.Reco.Volt.(V)	12.20	
Read	Undate	Raet	ne Default	Export Setting	18 Impo	at Settings

2- Seleccione Import Settings de la pantalla anterior y cargue el archivo Li12Config para sistema a 12 Volts

<i>©</i>		Abrir		×
	CONFIGURACIONES	× ¢	Buscar en LITIOC	ONFIGURAC 🔎
Organizar 👻 Nueva carpe	ta		1	≣ ▼ 🔟 🔞
<ul> <li>Sitios recientes</li> <li>SYSCOM SOLAR</li> <li>Escritorio</li> <li>INGLES - Acceso</li> </ul>	Vombre		Fecha de modifica 18/05/2020 05:11 18/05/2020 05:19	Tipo Documento de tex Documento de tex
<ul> <li>Este equipo</li> <li>Descargas</li> <li>Documentos</li> <li>Escritorio</li> <li>Imágenes</li> <li>Música</li> <li>Vídeos</li> <li>Acer (C:)</li> </ul>				
✓ <			T.T.F.	>
Nombre:			Abrir	Cancelar .:i

Se mostrara la siguiente pantalla, pulse Aceptar

ř.	Control Pa	arameter(For	LiBattery control	ller product)			ł
Note:Control parameters of LS-LPLI, Tracer-LPLI,	for such p Tracer-BPL,	roducts must Tracer-BP, Tr	be set up on t iRon,Xtra-N,Tra	his page, incl cer-AN, GS-GPL	uding the w and GS-CPL	hole seri I.	ies
Station Nar	Num1	~		Device ID 1			
Rated Voltage(V)	Rated	I Load Current(A)		Rated Chargin	g Current(A)		
	Default	Current			Default	Curren	nt
Battery Type	LiBattery	LiBattery ∨	Rated Voltage	Level	12V	12V	~
LiBattery Type	LiFePO4			×	3		~
Charging Mode	Volt.Comp.				120	120	
Battery Capacity(Ah)	200	Settings impo	rted successfully	ı (m)	120	120	
Temp. Compensation Coefficient(mV/°C/2V)	-3						
LiBattery Protection	启用		Aceptar	al	关闭	Disable	~
OverTenp. DropPower	关闭	Disable V					
Over Volt.Disconnect Volt.(V)	16.00	15.60	Charging Limit	Voltage(V)	15.00	14.60	
Over Volt.Reconnect Volt.(V)	15.00	14.70	Discharging Lir	nit Volt.(V)	10.60	10.60	_
Equalisation Charging Volt. (V)	14.60	14.40	Low Volt.Disco	nnect Volt.(V)	11.10	11.10	
Boost Charging Volt.(V)	14.40	14.40	Low Volt.Reco	nnect Volt.(V)	12.60	12.80	
Float Charging Volt.(V)	13.80	13.50	Under Vol.War	ning Volt.(V)	12.00	12.00	
Boost Recon.Charg.Volt.(V)	13.20	13.00	Under Volt.Wa	m.Reco.Volt.(V)	12.20	12.80	
Read	Update	Re	estore Default	Export Settings	Im	port Settinas	

# 3- Actualice pulsando el botón de Update, y presione Aceptar

	Control Par	rameter(For Li	Battery contro	oller product)			ľ
Note:Control parameter of IS-LPLI,Tracer-LPLI	s for such pr , Tracer-BPL, ]	roducts must l Tracer-BP, Trif	oe set up on ⊂ lon,Xtra−N,Tra	this page, incl acer-AN, GS-GPL	uding the w and GS-CPI	nhole seri I.	.es
Station Na	me Num1	Y		Device ID 1			
Rated Voltage(V)	Rated	Load Current(A)		Rated Chargin	g Current(A)		
	Default	Current			Default	Curren	nt
Battery Type	LiBattery	LiBattery ∨	Rated Voltage	e Level	12V	12V	v
LiBattery Type	LiFePO4		×		3	3	v
Charging Mode	Volt.Comp.			m)	120	120	
Battery Capacity(Ah)	200	Operation	successful	ration (m)	120	120	
Temp. Compensation Coefficient(mV/°C/2V)	-3						
LiBattery Protection	启用	] [	Aceptar	olsignal	关闭	Disable	,
OverTenp. DropPower	关闭	Disable 🗸					
Over Volt.Disconnect Volt.(V)	16.00	15.60	Charging Limit	t Voltage(V)	15.00	14.60	
Over Volt.Reconnect Volt.(V)	15.00	14.70	Discharging L	.imit Volt.(V)	10.60	10.60	_
Equalisation Charging Volt. (V)	14.60	14.40	Low Volt.Disc	onnect Volt.(V)	11.10	11.10	
Boost Charging Volt.(V)	14.40	14.40	Low Volt.Rec	onnect Volt.(V)	12.60	12.80	
Float Charging Volt.(V)	13.80	13.50	Under Vol.Wa	aming Volt.(V)	12.00	12.00	
Boost Recon.Charg.Volt.(V)	13.20	13.00	Under Volt.W	am.Reco.Volt.(V)	12.20	12.80	
Read	Update	Rest	ore Default	Export Settings	; Im	port Settings	

4- Re-inicie el controlador (desconecte y conecte la alimentación) y posteriormente seleccione la opción Read para verificar los parámetros programados, de click en Aceptar.

Note:Control para of LS-LPLI, Tracer	meters f LPLI, Tr	or such pr acer-BPL, T	oducts must 'racer-BP, Tri	be set up on Ron, Xtra-N, T	this page, inclu racer-AN, GS-GPL	ad Operatio	on successful
St	ation Name	Num1	~		Device ID 1		Aceptar
Rated Voltage(V) 1.	2.00	Rated	Load Current(A)	20.00	Rated Charging	g Current(A)	20.00
		Default	Current			Default	Current
Battery Type		LiBattery	LiBattery ∨	Rated Voltage Level		12V	12V 🗸
.iBattery Type		LiFePO4	User 🗸	Series Number		3	3 🗸
Charging Mode		Volt.Comp.	Volt.Comp ∨	Boost Duration(m)		120	120
Battery Capacity(Ah)		200	200	Equalisation Duration (m)		120	120
Temp. Compensation Coefficient(mV/°C/2V)		-3	0				
LiBattery Protection		启用	Enable v	Oilengine C	ontrolsignal	关闭	Disable 🗸
OverTenp. DropPowe	r	关闭	Disable 🗸				
Over Volt.Disconnect Vo	lt.(V)	16.00	15.60	Charging Li	mit Voltage(V)	15.00	14.60
Over Volt.Reconnect Vo	lt.(V)	15.00	14.70	Discharging	Limit Volt.(V)	10.60	10.60
Equalisation Charging Vo	olt. (V)	14.60	14.40	Low Volt.Di	sconnect Volt.(V)	11.10	11.10
Boost Charging Volt.(V)		14.40	14.40	Low Volt.Reconnect Volt.(V)		12.60	12.80
Float Charging Volt.(V)		13.80	13.50	Under Vol.V	Vaming Volt.(V)	12.00	12.00
Boost Recon.Charg.Volt	M	13.20	13.00	Under Volt	Warn Reco Volt (V)	12.20	12.80

Para la programacion de los controladores a 48 Volts (Solo familia TRACER-XXXX-AN) se deberan seguir los mismos pasos anteriores, utilizando e archivo txt Li48Config

# Importante:

Cada batería tiene diferentes parámetros de carga, es responsabilidad del instalador programar los parámetros adecuados para cada tipo de batería.