Controller Software Upgrade

Step1: Double-click the "USBDriver" folder > "Setup" to install the USB driver (USB to RS485 converter model: CC-USB-RS485-150U).



After successful installation, connect the USB to RS485 converter to the PC. Open the "Device Manager > Ports (COM & LPT)" to display the following interface.



Step2: Set the USB to RS485 converter's port parameters by the following figure.

🗄 Device Manager 🛛 —		XR21B1411 USB UART (COM3) Properties	×
File Action View Help			
le ⇒ 🖬 🖺 🖉 ज 晃 💺	★ ④	General Port Settings Driver Details Events	
▼ ● YF02 > ④ Audio inputs and outputs > ● Bluetooth > ■ Disk drives > ■ Disk drives > ■ Display adaptors > ■ Firmware > ■ Human Interface Devices		Bits per second: 115200 Data bits: 8 Parity: None	
 Keyboards Mice and other pointing devic Monitors Network adapters Ports (COM & LPT) 	es	Stop bits: 1	
Print queues Printers	Update driver Disable device	RS-485 Advanced Restore Defaults	
Processors Software components	Uninstall device	☐ Wide Mode	
 Software devices Sound, video and game con Storage controllers 	Scan for hardware changes Properties	✓ Low Latency Mode 50000 ✓ (bps and less)	
 > Im System devices > Iniversal Serial Bus controllers 			
Opens propert		OK Cancel	

Step3: Connect the controller to the PC by the USB to RS485 converter. And then connect the controller to the battery.

Note: A switch must be connected between the controller and the battery, such as an DC breaker or fuse, etc. Do not power on the controller at this time.



Step4: Double-click • PrgUpgradeV2.20 to open the upgrade software, the following interface displays.

PrgUpdate(V02.20, EpSolar Tech.) 1.Select the file	\times			
Program Info				
Load Bro				
Version For Device Type				
Device Info				
Bootloader Ver. Firmware Ver.				
2.Select Com port				
🖸 Line 🔽 🖸 Infrared				
Serial Port Open Copen	R			
3.Click and update				

Step5: Click the "Load Program" button to select the upgrade file according to the specified controller, such as ST_XTRA_N_V200.prg.

Step6: Select the COM port from the "Serial Port" drop-down list box (The default COM port is COM1.) Then click the "Open" button.

Step7: Power on the controller, and the upgrade software automatically displays the loading process.

When the loading progress has finished successfully, a prompt of "File download success!" pops up, and the controller LCD will also be lit up.



Note 1: If the loading progress is interrupted unexpectedly, a prompt of "Connect timeout, please retry!" pops up. It indicates the upgrade has failed and needs to be retried again!



Note 2: If you upgrade the controller with unmatched software, the controller may be damaged. The pictures in this manual are for reference only; please contact the after-sales for detailed upgrade software.