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EPEVER CC-USB-RS485-150U

EPEVER USB to RS485 PC Communication Cable (CC-USB-RS485-150U)

INSTRUCTION MANUAL

Model: CC-USB-RS485-150U

1. Product Overview

The EPEVER CC-USB-RS485-150U is a USB to RS-485 communication cable designed to facilitate data exchange between EPEVER MPPT solar charge controllers and a personal computer. This cable enables users to monitor controller performance, view operational data, and configure various parameters using the dedicated Solar Station PC software.
The cable has a length of 1.5 meters and connects directly to the RS-485 port (RJ45 connector) on the solar charge controller.



The EPEVER CC-USB-RS485-150U cable, featuring a USB connector on one end and an RJ45 connector on the other, designed for PC communication with EPEVER solar charge controllers.

2. Package Contents

- 1x EPEVER CC-USB-RS485-150U Communication Cable

3. Safety Information

Please read and understand all instructions before installation and operation. Observe the following safety guidelines:

- Ensure all power sources are disconnected from the solar charge controller before connecting or disconnecting the communication cable.
- Always connect the battery to the solar charge controller first, and disconnect it last.
- Do not use an electric screwdriver for terminal connections to avoid over-tightening or damage.
- This cable is specifically designed for EPEVER/EPsolar brand solar charge controllers. Compatibility with other brands is not guaranteed.

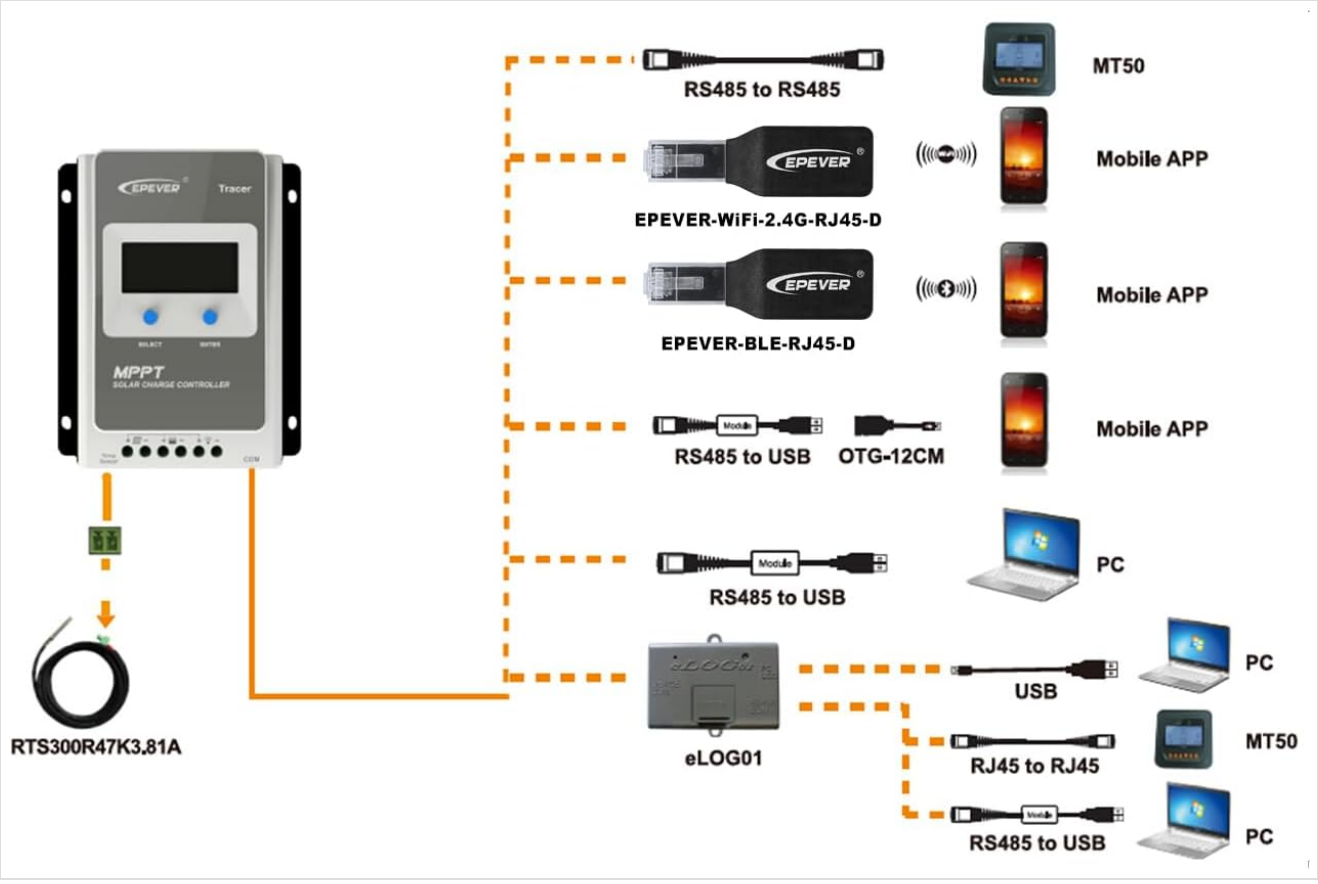
4. Setup and Installation

4.1 Connecting the CC-USB-RS485-150U Cable

1. Locate the RS-485 communication port (RJ45 connector) on your EPEVER solar charge controller.
2. Plug the RJ45 end of the CC-USB-RS485-150U cable into the controller's RS-485 port.
3. Connect the USB end of the cable to an available USB port on your personal computer.

4.2 Software Installation

To utilize the communication cable, you will need to install the EPEVER Solar Station PC software. This software is typically available for download from the official EPEVER website. Follow the software's installation instructions. Drivers for the USB to RS485 converter may be automatically installed by your operating system or included with the software package.



This diagram illustrates the typical wiring setup for an EPEVER solar charge controller, showing connections for solar panels, battery, DC load, and AC load via an inverter. It also highlights the communication port for accessories like the RS485 cable.

5. Operation

Once the cable is connected and the Solar Station PC software is installed, you can begin monitoring and configuring your solar charge controller.

5.1 Monitoring System Data

The PC software provides a comprehensive interface to view real-time and historical data from your solar charge controller. This includes:

- Battery voltage and current
- Solar panel voltage and current (PV parameters)
- Load voltage and current
- System temperature
- Energy statistics (e.g., daily generated energy)

5.2 Setting Parameters

The software allows for advanced configuration of the solar charge controller, including:

- Battery type selection (Sealed, Gel, Flooded, Lithium, User-defined)
- Load working mode settings (e.g., light control, manual control, timer control)
- Charging and discharging parameters for various battery types

For detailed instructions on setting specific parameters, refer to the Solar Station PC software's user manual or the EPEVER support resources.

This video provides a visual guide to setting up an EPEVER MPPT solar charge controller, including unboxing, connecting solar panels, batteries, and loads, and configuring battery and load parameters via the controller's interface. It also highlights the communication port for accessories like the RS485 cable.

6. Troubleshooting

If you encounter issues with the CC-USB-RS485-150U cable or communication, consider the following:

- **Connection Check:** Ensure the RJ45 connector is securely plugged into the controller's RS-485 port and the USB connector is firmly seated in your computer's USB port.
- **Driver Installation:** Verify that the necessary USB drivers are correctly installed on your computer. Sometimes, reinstalling the Solar Station PC software can resolve driver issues.
- **Software Compatibility:** Ensure you are using the correct version of the Solar Station PC software compatible with your specific EPEVER controller model.
- **Controller Power:** Confirm that your solar charge controller is powered on and functioning correctly.
- **Cable Integrity:** Inspect the cable for any visible damage or kinks.

For further assistance, please contact the Goland Century technical support team, the official authorized sales agent for EPEVER products.

7. Specifications

Feature	Specification
Model Number	CC-USB-RS485-150U (RS485)

Cable Length	1.5 meters
Connector Type (Controller)	RJ45
Connector Type (PC)	USB
Compatibility	EPEVER/EPsolar brand solar charge controllers
Item Weight	1.44 ounces (0.04 Kilograms)
Package Dimensions	4.61 x 3.03 x 1.26 inches
UPC	689771609010

8. Warranty and Support

EPEVER products are supported by authorized sales agents. For technical support, troubleshooting, or warranty inquiries, please contact the vendor from whom you purchased the product. Goland Century, an official authorized sales agent for EPEVER, provides free technical support to their customers.
For additional resources and software downloads, please visit the official EPEVER website.

Accessories (optional)

Remote Temperature Sensor (RTS300R47K3.81A)		Acquisition of battery temperature for undertaking temperature compensation of control parameters, the standard length of the cable is 3m (length can be customized). The RTS300R47K3.81A connects to the port (4th) on the controller. NOTE: The temperature sensor short -circuited or damaged, the controller will be charg ed or discharg ed at the default temperature 25℃.
USB to RS485 cable CC-USB-RS485-150U		USB to RS485 converter is used to monitor each controller using Solar Station PC software. The length of cable is 1.5m. TheCC-USB-RS485-150U connects to the RS485 Port on the controller.
Remote Meter MT50		MT50 can display various operating data and fault info the system. The information can be displayed on a backlit LCD screen, the buttons are easy-to-operate, and the numeric display is readable.
EPEVER Wifi 2.4G RJ45 D		After the controller is connected with the EPEVER Wifi 2.4G RJ45 D through the standard Ethernet cable (parallel cable), the operating status and related parameters of the controller can be monitored by the mobile APP software through WIFI signals.
EPEVER BLE RJ45 D		After the controller is connected with the EPEVER BLE RJ45 D through the standard Ethernet cable (parallel cable), the operating status and related parameters of the controller can be monitored by the mobile APP software through Bluetooth signals.
Logger eLOG01		After the controller is connected with the eLOG-01 through the RS485 communication cable, it can record the operating data of the controller or monitor the real-time operating status of the controller via PC software.
PT Adapter PT-ADP		Manage to work and communicate with the 2 to 8 pcs controllers in parallel
NOTE: For setting and operation of accessory, please refer to accessories user manual.		

A table detailing various optional accessories for EPEVER solar charge controllers, including remote temperature sensors, USB to RS485 cables, remote meters, WiFi/Bluetooth adapters, and data loggers, along with their functions.

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