

※Thank you for selecting the PT adapter, which match with the controllers of our company.
※Please read this manual carefully before using the product and pay attention to the safety information

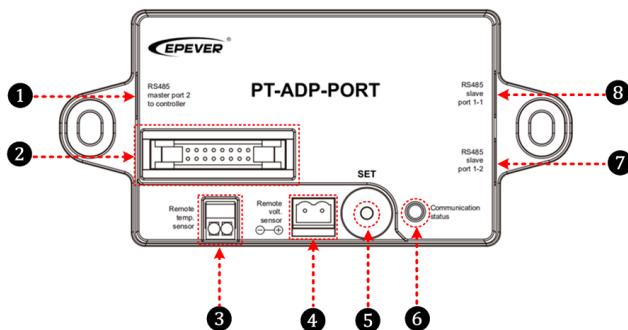
PT-ADP-PORT

—PT Adapter

PT Adapter is an accessory which can adjust the charging power of multiple controllers in parallel. This module ensures the charging current of each controller unit keep in close to the average of the total charging current, the adapter can monitor the charging status and adjusting the charging current of each controller in real time, can adjust charging running status according to charging full status of the battery, improving the service life of the equipment. At the same time, it can connect the PC software to monitor and set the operating parameters of each controller, which plays an important role in the parallel application of the controller.

Features :

- Master and slave controller can be intelligently identified to realize equal-flow charging(one master controller in the system, and the rest are slave controllers)
- Monitoring the online status of controller in real-time and switching the quantity of charging controller, improving the service life of the product.
- Support up to 6 controllers in parallel
- The communication port support the standard Modbus communication protocol, it can connect various modules or PC software to realize remote monitoring.
- Easy one button press to set the communication baud rate.
- LED indicator indicate the running status



① RS485 communication port 1(RJ45)

The port is for N (N≤6) controllers in parallel



Accessories(included):

Communication cable (Model: CC-RS485-RS485-200U)

② The horns socket

The port is for N (N≤6) PT series controllers in parallel

③ Remote temperature sensor port①

Connect the battery temperature sensor to sample the battery temperature.

Accessories(optional):

Remote temperature sensor cable (Model: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).



CAUTION: If the temperature sensor is short-circuited or damaged, the controller will be charged or discharged at the default temperature 25°C.

④ Remote Battery Voltage Sensor Port②

The port can detect accurate battery voltage(a 2P/1.5mm² wire (Red+, black-) with insulation protection is suggested). One end connects the 5.08-2P terminal, the other end connects the battery, and make sure the "+" and "-" poles are connected correctly.

Accessories (Included):



①Temperature Sensor

Model: RT-MF58R47K3.81A



②5.08-2P Terminal

⑤SET button

Press the button and hold on 5s to set the communication baud rate

- 9600—— Red LED indicator flash once
- 115200—— Red LED indicator flash two times

⑥Communication status indicator

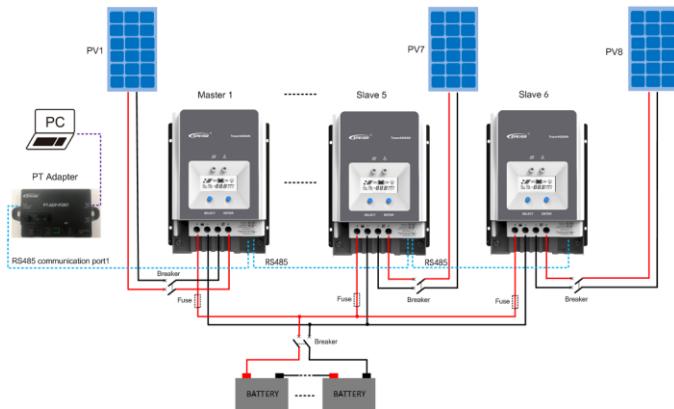
- Green on solid——Adapter is working.
- Green flashing——Adapter is communicating.
- Red flashing——Adapter's baud rate.

⑦ RS485 communication port 2(RJ45)

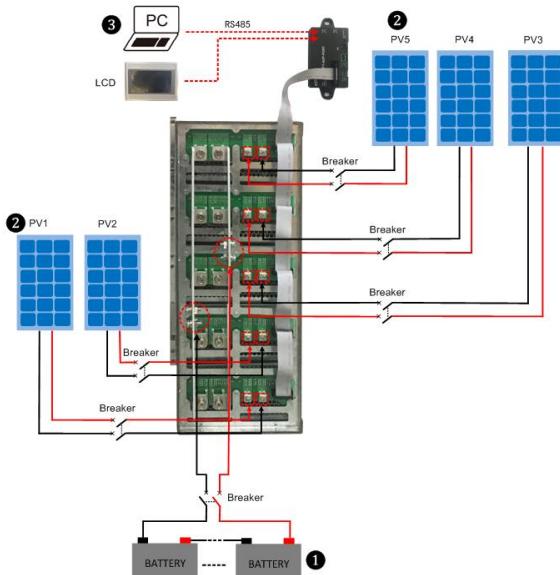
⑧ RS485 communication port 3(RJ45)

The two communication port are in parallel. Choose either and only one of them when you connect the PC software.

➤ Connection for Tracer AN(50-100A) series solar controller



➤ Connection for PT series N+1 modular solar controller



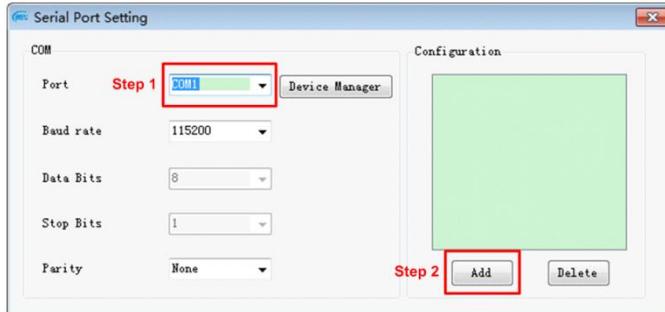
Step1: Download the PC software and install the software

Download software website: www.epever.com.cn—Charge controller-windows

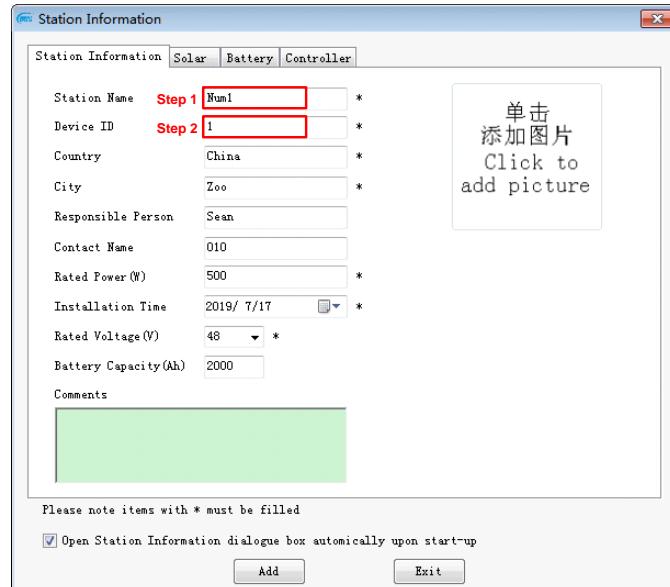
Step2: Set ID of controller

- Port configuration

Port configuration—Serial port setting

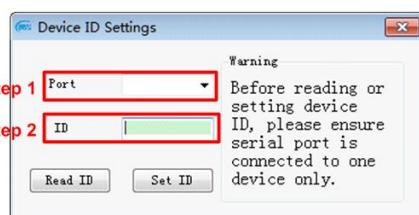


- Add the station



Caution: Please keep the same of station and ID.

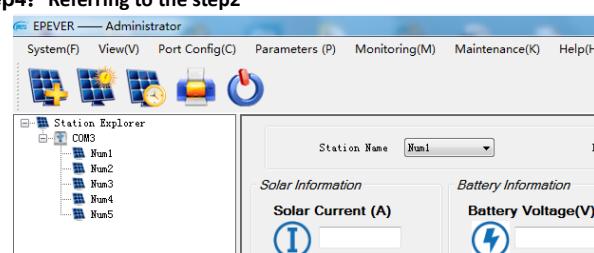
- Set the control ID



Caution: The ID of controller can be set only one by one, while setting on the each ID connection with PC software could be only with one unit controller.

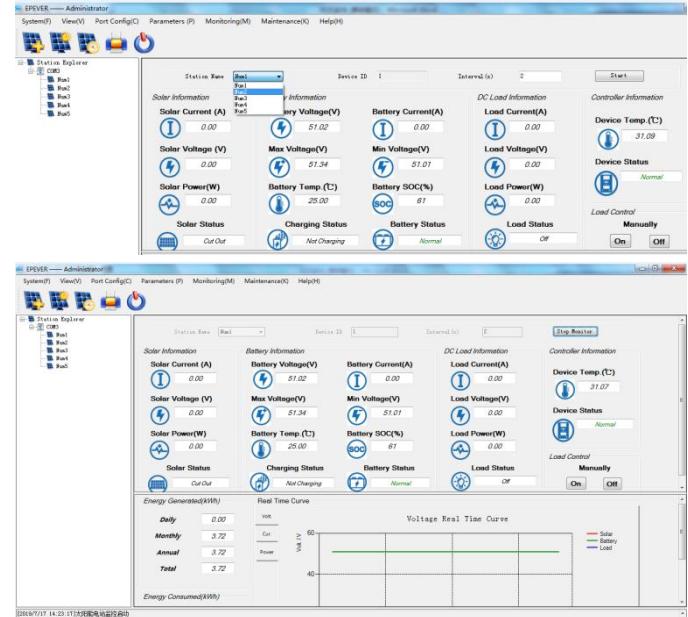
Step3: Connect all controllers with the communication cable

Step4: Referring to the step2



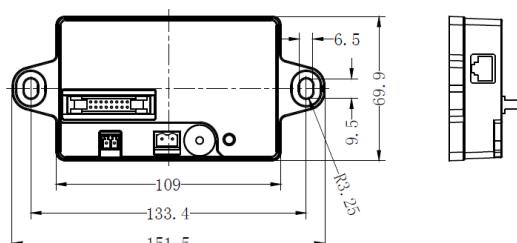
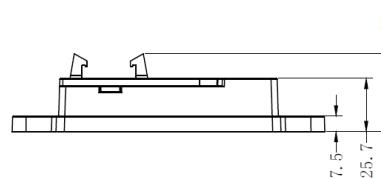
Step5: Monitor the running data and status of every controller in real time

Select the monitor's controller—start the monitor software



Caution: The showing information is only about one single controller (one station ID).

Model	PT-ADP-PORT
Apply to model	Tracer AN(50-100A) series solar controller PT series N+1 modular solar controller
Input voltage	5VDC(Power supply by the controller)
Operation power consumption	0.25W
Serial port baud rate	9600 115200(Default)
Overall dimension	151.5*69.9*38mm
Mounting Dimension	133.4mm
Mounting hole size	Φ6.5
Working temperature	-35~75°C
Enclosure	IP30
Weight	39g



Any changes without prior notice! V1.0