Manuals+ — User Manuals Simplified.

EPEVER TCP RJ45 A Serial Device Server Instruction Manual

Contents

EPEVER TCP RJ45 A Serial Device Server

Thanks for selecting the EPEVER TCP RJ45 A serial device server; please read this manual carefully before using the product.
Please keep this manual for future reference.

Overview

EPEVER TCP RJ45 A is a serial device server connecting with EPEVER solar controller, inverter, and inverter/charger via an RS485 or COM port. Communicating with the TCP network, it transfers collected data to the EPEVER cloud server to realize the remote monitoring, parameter setting, and data analysis.

Features:

- Adopt standard network cable port
- High compatibility without any drivers
- Unlimited communication distance
- Flexible power supply for the communication interface
- Adjustable 10M/100M Ethernet port
- Designed with low power consumption, and high running speed

Appearance

No.	Port	Instruction
①	RS485 interface(3.81-4P)	To connect the solar controller, inverter, and inverter/charger «
②	COM port(RJ45)	To connect the solar controller, inverter, inverter/charger, and PC«
③	Ethernet port	To connect the router
④	Indicator	To indicate the working status

When connecting to EPEVER solar controller, inverter, or inverter/charger, ① and ② can only choose one interface to use (except XTRA-N series). Connect the serial device server to the XTRA-N controller through the COM port and connect it to an external 5V power supply through the RS485 interface.

Indicator

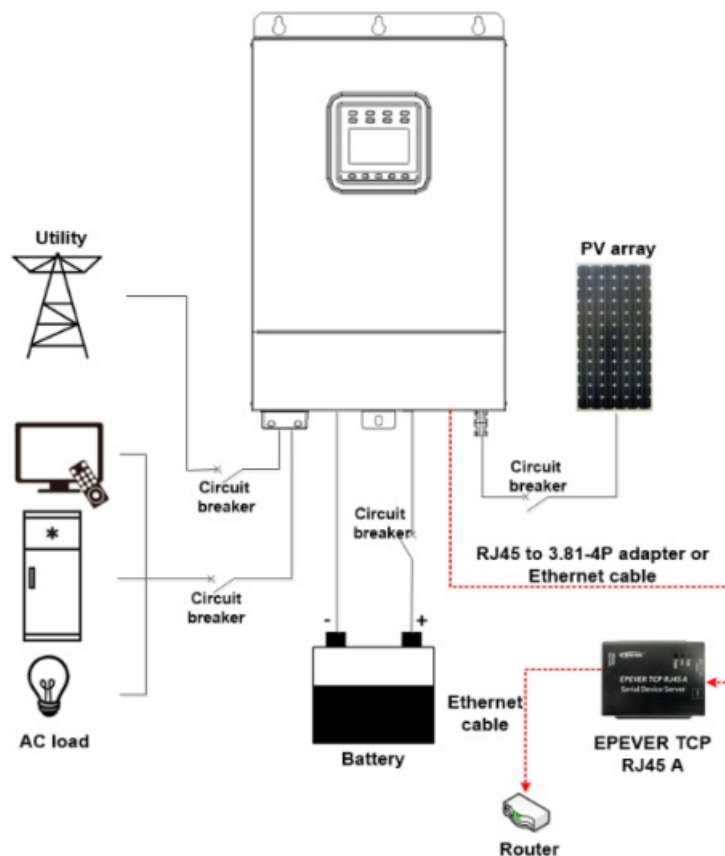| Indicator	Status	Instruction
Link indicator	Green ON	No communication.
	Green flash slowly	Connect to the cloud platform successfully
Power Indicator	Red ON	Normal power on
	OFF	No power on

Accessories

Type	Picture	Name	Function
Included		Standard network cable	1. To transmit data by connecting to the router through the Ethernet port. 2. Transmit data by connecting to the controller, inverter, or inverter/charger through the COM port.
Optional		RJ45 to 3.81-4P converter	Connect the serial device server's RS485 interface to the EPEVER controller, inverter, or inverter/charger equipped with an RJ45 port.
		RJ45 to 4-circular hole RS485 converter, or 3.81-4P to 4-circular hole RS485 converter	Suitable for Tracer-BP/Tracer-BPL /LandStar-BPL
		3.81-4P cable, or RJ45 to 3.81-4P converter	Suitable for iTracer-AD/iTracer-ND /eTracer-BND/eTracer-AD iTracer-ND/DuoRacer

System connection

Step1: Connect the serial device server's RJ45 port or RS485 interface to the EPEVER controller, inverter, or inverter/charger. Take the connection diagram of the inverter/charger as an example.
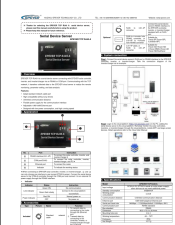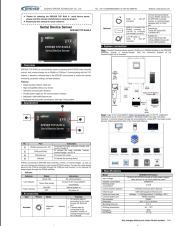

Step2: Login to the cloud platform (**https://iot.epsolarpv.com**) on the PC, adding the serial device server to the cloud platform. Remotely monitor the solar controllers, inverters, or inverter/charger through the cloud platforms, mobile APP, and large-screen devices. Detail operations refer to the Cloud User Manual.

Specifications

Model	EPEVER TCP RJ45 A
Input voltage	DC5V±0.3V (XTRA-N needs an extra power supply); other devices do not need additional power.
Standby consumption	5V@50mA
Working power consumption	0.91W
Communication distance	Unlimited communication distance
Ethernet port	10M/100M adaptive Ethernet port
Serial port baud rate	9600bps ~ 115200bps(default 115200bps, 8N1)
Communication port	RS485 standard
Bus standard	RS485
Dimension	80.5 x 73.5 x 26.4mm
Mounting hole size	Φ 4.2
Working temperature	-20 ~ 70℃
Enclosure	IP30
Net Weight	107.7g

Documents / Resources

EPEVER TCP RJ45 A Serial Device Server [pdf] Instruction Manual
TCP RJ45 A, Serial Device Server, TCP RJ45 A Serial Device Server

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TCP RJ45 A Serial Device Server, TCP RJ45 A, Serial Device Server, Device Server, Server

References

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