



TP-SC-BT1

RS232 to Bluetooth Adapter

- For use with TP-SCxx-xx-MPPT Solar Charge Controllers
- Provides up to 15m remote monitor and control capabilities.
- Weatherproof Bluetooth transmitter/receiver



Congratulations! on your purchase of the TP-SC-BT1 Bluetooth adapter. Please take a moment to review this Qwik Install Guide before assembly.

Safety: For your own protection, follow these safety rules.

- **Perform as many functions as possible on the ground**
- **Do not attempt to install on a rainy, windy or snowy day or if there is ice or snow accumulation at the install site or if the site is wet.**
- **Make sure there are no people, pets, etc. below when you are working on a roof or ladder.**



Mobile phone & APP



RS232

Qwik Install

1. The TP-SC-BT1 is designed for use with the Tycon Solar TP-SCxx-xx-MPPT series of solar charge controllers with RS232 ports. This includes the following models:
 - TP-SC24-20-MPPT
 - TP-SC24-40-MPPT
 - TP-SC48-60-MPPT
2. Install the TP-SC-BT1 on the outside of the enclosure that you are using to house the solar controller.
3. The unit can be mounted using screws (not included) or if mounting to a pole, with tie wraps (not included). The hole spacing is 57.5mm (2 1/4") with a 3mm screw size.
4. Make sure to install with cable pointing down or to the side, never pointing up.
5. Make sure to secure the cable with tie wraps or tape so it doesn't flap in a wind.
6. Route the RJ12 connector into the enclosure and plug into the RS232 port on the solar controller. Be sure to seal the cable entry hole in the enclosure with silicon.
7. Depending on your type of smartphone or mobile device, Get the Android or IOS app using the QR Codes on the next page. Another way to get the app is to go to the Google Play Store on your mobile device and search for "SolarLink App" for Android or go to the APP Store and search for "Solar App" for IOS devices. The App icon will look like the orange icons in the center of the QR codes.
8. Open the app on your device. If the app asks you for a password use: "135790123"
9. Using the app on your device you can monitor the solar controller and also change settings in the solar controller. The controllers provide information on battery voltage levels, battery current, solar current, temperature and load current. In addition, the load output can be turned off and on remotely to reboot your connected equipment.

SPECIFICATIONS

Subject to change without notice

	TP-SC-BT1
<i>Input Voltage</i>	5V to 12V
Standby Power Consumption	0.04W
Operating Power Consumption	0.05W
<i>Communication Distance</i>	<15m (49')
LED Function	Red Flashing = Data Active ; Off = Standby mode
Serial Baud Rate	9600bps (Fixed)
Communication Mode	RS232
Connector Type	RJ12
Cable Length	5m (16')
Environmental Protection	IP67
Certifications	CE, RoHS
Operating Temperature	-40°C to 75°C (-40°F to 167°F)
Dimensions	66 x 51 x 15.5mm (2.6 x 2 x 0.6")
Weight	120g (4.2oz)
Warranty	3 Years



Android App



IOS App

Limited Warranty

The TyconSolar® products are supplied with a limited 36 month warranty which covers material and workmanship defects. This warranty does not cover the following:

- Parts requiring replacement due to improper installation, misuse, poor site conditions, faulty power, etc.
- Lightning or weather damage.
- Physical damage to the external & internal parts.
- Products that have been opened, altered, or defaced.
- Water damage for units that were not mounted according to user manual.
- Usage other than in accordance with instructions and the normal intended use.

NOTES