TP-SC-WiFi

DATA SHEET

Wifi Adapter for MPPT Solar

Features

- **Provides Connectivity up to 100m range**
- **Designed for Select Tycon® TP-SC MPPT Solar Charge Controllers**
- **No External Power Source Required**
- **Water Resistant, Industrial Temperature Range**

Applications

- **Tycon® TP-SC24-30N-MPPT, TP-SC24-60N-MPPT & TP-SC48-60P-MPPT Solar Charge Controllers**
- **Remote monitoring and control**

Description

The Tycon Solar™ TP-SC-WiFi wireless adapters are compatible with the following Tycon® MPPT solar controllers: TP-SC24-30N-MPPT, TP-SC-24-60N-MPPT and TP-SC48-60P-MPPT. They connect to either of the two RS485 modbus serial ports included on the MPPT solar controllers. They are powered by the RS485 port so no external power supply is required.

Using a mobile phone with our free Android or IOS Mobile App, a technician can access current and historical readings as well as configure the MPPT solar controllers and control the load on/off manually.

The TP-SC-WiFi must be connected to the same 2.4GHz WiFi access point as the mobile phone in order to make an initial connection. After the initial setup, as long as both the Cloud-Box-M2 and mobile phone have internet access, the status can be monitored remotely.

Specifications

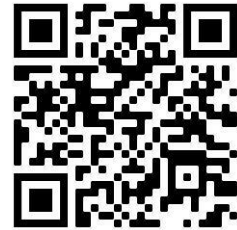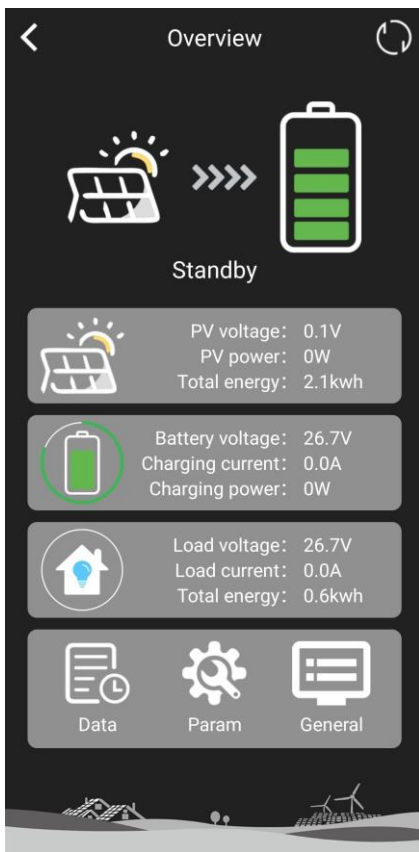|	TP-SC-Wifi
Input Voltage	3.3V
Standby Power Consumption	0.05W
Operating Power Consumption	60mA, 0.2W
RF Transmit Power	14 ~ 20dBm
Communication Frequency	802.11b/g/n 2.4GHz
Communication Distance	<100m (300') with good LOS

LED Function	**Power LED** = Green = Power On
	Link LED = Blue
	  Steady On, Flash Off every 5 sec – Connected
	  Double Flash – Waiting for Network Configuration
	  Continuous Flash – Trying to Connect

Button Function	**Reset** – Press momentarily to restart the module **Setup** – Hold for 6 secs to reset network config
Communication Mode	RS485
Connector Type	RJ45
Cable Length	1.4m (56")
Environmental Protection	IP62
Certifications	CE, RoHS
Operating Temp / Humidity	-40°C to 80°C (-40°F to 176°F) / <90%RH
Dimensions	66 x 51 x 15.5mm (2.6 x 2 x 0.6")
Weight	57g (2oz)
Warranty	3 years

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Mobile Applications

SolarMate Mobile apps are available for Android and IOS devices. QR codes to receive the apps are as follows. Any mobile device with a barcode reader app should be able to read these codes.

Android SolarMate App

IOS SolarMate App

Typical Application

System Ordering:

TP-SC-WiFi   Wireless Adapter for select TP-SCxxxx-MPPT Solar Charge Controllers

For further information contact:

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RoHS compliant

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