

## Solar Charge Controllers

### Features

- 3 stage PWM with automatic overdischarge protection for extended battery life
- Very low self consumption
- Autoranging

### Applications

- Remote Power Systems
- UPS Systems



TP-SC24-10 Solar Charge Controller

### Description

Tycon Power Systems solar controllers are 3 stage PWM type battery charging controllers controlled by an industrial CPU. The controllers are autoranging to accommodate 12V and 24V battery voltage systems. They have full electronic protections for short circuit, reverse current, overvoltage, overcharge and over discharge. The built-in overdischarge protection and low self consumption ensures the battery is not overdischarged, which greatly increases the life of the batteries. They have three multifunction LED indicators to give a quick visual status of the load status, if battery is charging or fully charged, as well as any fault condition. Connections are via 6 screw terminals for wire size up to 10AWG. The controllers are externally fused with a standard replaceable fuse. There are four screw holes(4mm) for mounting.

### Specifications

	TP-SC24-10
<b>Rated Voltage</b>	12/24 (Auto Detect)
<b>Rated Current (Solar and Load)</b>	10A
<b>Max Input Voltage</b>	25/50 V
<b>Maintenance Voltage</b>	13.8 / 27.6 +/-0.2V
<b>Overcharge Protection</b>	14.3 / 28.6 +/-0.2V
<b>Over Discharge Voltage</b>	OFF: 11.0 / 22 +/- 0.2V ON: 12.4 / 24.8 +/-0.2V
<b>Self Consumption</b>	< 8mA
<b>Voltage Drop (Battery to Load)</b>	< 0.3V
<b>Max Wire Size</b>	10 AWG
<b>Operating Temp</b>	-30°C to 60°C (-22°F to 140°F)
<b>Dimensions</b>	140 x 89 x 32mm(5.5 x 3.5 x 1.25")
<b>Weight</b>	198 g (7 oz )

**Notes:**

- All shipments F.O.B. Bluffdaler, UT 84065
- TP-SC Charge Controllers carry a 1 year warranty

### System Ordering:

**TP-SC24-10** 12/24V 10A Solar Charge Controller

### For further information contact:

[Tyconpower.com](http://Tyconpower.com)