

Solar Charge Controllers

Features

- 3 stage PWM with automatic overdischarge protection for extended battery life
- Low self consumption
- Autoranging 12V or 24V

Applications

- Remote Power Systems
- Solar power Applications



TP-SC24-20 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. There is a convenient On/Off button to disconnect load power. Connections are via 6 screw terminals for wire size up to 10AWG. The controllers are internally fused with a standard replaceable fuse. There are four screw holes(4mm) for mounting.

Specifications

	TP-SC24-20
Rated Voltage	12/24 (Auto Detect)
Rated Current (Solar and Load)	20A
Absorption Voltage	14.4 / 28.8 +/-0.2V
Float Voltage	13.8 / 27.6 +/-0.2V
Overvoltage Protection	15.5 / 31V
Over Discharge Voltage	OFF: 10.7 / 21.4 +/- 0.2V ON: 12.6 / 25.2 +/-0.2V
Self Consumption	< 15mA
Voltage Drop (Battery to Load)	< 0.3V
Max Wire Size	10 AWG
Operating Temp	-30°C to 60°C (-22°F to 140°F)
Dimensions	168 x 88 x 34mm(6.6 x 3.5 x 1.25")
Weight	283 g (10 oz)

Notes:

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

System Ordering:

TP-SC24-20 12/24V 20A Solar Charge Controller

For further information contact:

Tyconpower.com