

Solar Charge Controllers

Features

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

Applications

- Remote Power Systems
- UPS Systems



TP-SC12-5 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 available in 12V and 24V to accommodate different 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-SC12-5	TP-SC24-8
Rated Voltage	12V	12/24 (Auto Detect)
Rated Current	5A	8A
Max Input Voltage	25V	25/50 V
Maintenance Voltage	13.8+/-0.2V	13.8 / 27.6 +/-0.2V
Overcharge Protection	14.4 +/- 0.2V	14.4 / 28.6 +/-0.1V
Over Discharge Voltage	Output OFF: 11.0+/-0.2V Output ON: 12.4+/-0.2V	OFF: 11.0 / 22 +/- 0.2V ON: 12.4 / 24.8 +/-0.2V
Self Consumption	< 10mA	< 10mA
Voltage Drop	< 0.4V	< 0.3V
Max Wire Size	10 AWG	10 AWG
Operating Temp	-30°C to 60°C (-22°F to 140°F)	-30°C to 60°C (-22°F to 140°F)
Dimensions	140 x 89 x 32mm (5.5 x 3.5 x 1.25")	140 x 89 x 32mm(5.5 x 3.5 x 1.25")
Weight	198 g (7 oz)	198 g (7 oz)

Notes:

- All shipments F.O.B. Draper, UT 84020
- TP-SC Charge Controllers carry a 1 year warranty

System Ordering:

TP-SC12-5 12V 5A Solar Charge Controller
TP-SC24-8 12/24V 8A Solar Charge Controller

For further information contact:

Tyconpower.com