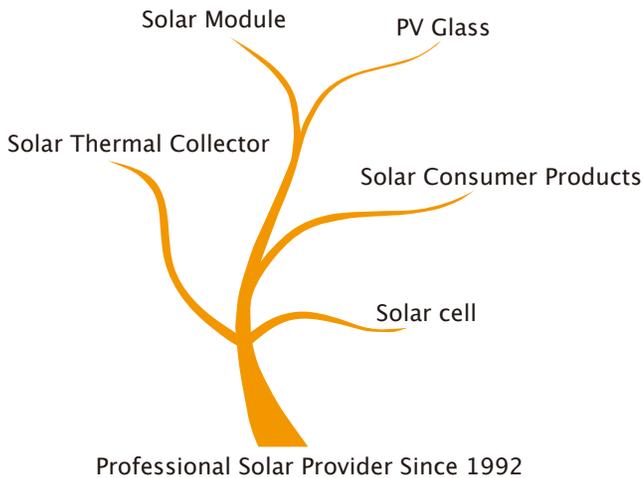


TPS-3012 30A/12V solar charge controller



Not Your Average Solar Provider

Our Products Categories



Electrical Characteristics



Figure 1 Product Feature

①	Mounting Hole $\Phi 4.5$	⑥	Button
②	PV Terminals	⑦	Battery status LED indicator
③	Battery Terminals	⑧	Load status LED indicator
④	Load Terminals	⑨	Charging status LED indicator
⑤	USB Output Port		

Overview

This series controller is a PWM charge controller with USB output that adopts the most advanced digital technique. It's an easy operation and cost efficient controller featured as:

- 3-Stage intelligent PWM charging: Bulk, Boost/Equalize, Float
- Support 3 charging options: Sealed, Gel, and Flooded
- Battery status LED indicator can indicates battery situation
- Battery temperature compensation function
- The USB will provide power supply that can charge for electronic equipment
- Battery type and load output can be set via button
- Extensive Electronic protection

Technical Specifications

Item	TPS-3012
Nominal system voltage	12/24VDC Auto
Rated charge current	30A
Rated discharge current	30A
Battery input voltage range	8V~32V
Max. PV open circuit voltage	50V
Self-consumption	12V \leq 5mA; 24V \leq 7mA
Charge Circuit Voltage Drop	\leq 0.13V
Discharge Circuit Voltage Drop	\leq 0.17V
USB Output Port	5VDC/2A
Working environment temperature	-35 $^{\circ}$ C ~ +55 $^{\circ}$ C
Humidity	\leq 95% N.C.
Overall dimension	148x106.8x43.7mm
Mounting dimension	138mm
Mounting hole size	$\Phi 4.5$
Terminals	8AWG /10mm ²
Net weight	0.29kg

DEALER INFORMATION BOX