

# SP-25 SolarPulse 12V Solar Charger Maintainer, 25-Watt



## Maximum Battery Performance on Vehicles Kept Outdoors

- Works on all 12-Volt lead-acid batteries including VRLA, AGM, gel and flooded cell
- Restores, charges and desulfates any 12-Volt battery stored outside
- Restores and maintains normal loss of battery power on seldom-used vehicles
- Commercial-grade crystalline cells are 30% smaller per watt and twice as efficient
- Patented Pulse Technology extends battery life up to 3 times
- Reverse polarity protected
- Maintains batteries indefinitely without danger of overcharging or overheating



The SP-25 12-Volt Solar Charger Maintainer provides a full 25-Watts of power in a compact, durable 18.69" L x 16.13" W x 0.2" H solar panel. The SP-25 restores, charges and desulfates individual batteries as well as two to four 12-Volt lead-acid batteries connected in parallel, making it ideal for heavy duty applications. It is engineered to replace the power loss from electrical accessories that occurs when the ignition is switched off. Not just seasonal or infrequently used vehicles and equipment benefit from using SolarPulse systems, but any vehicle that has short run times between stops, high loads at an idle or unpredictable use profiles will benefit.

SolarPulse's higher efficiency, higher quality crystalline silicone cells pack more power per square inch and have a longer life than standard amorphous "thin film" cells. That means you get the power you need in a sturdier, smaller-sized solar panel. Since the solar cells are placed directly on a low profile aluminum panel instead of a thicker, bulkier metal frame, you can flush mount the solar panel so it has less chance of being accidentally damaged.

The 25-Watt model utilizes PulseTech's unrivaled solar charging system combined with our patented optimized high frequency pulsing circuit to ensure unused batteries will start when needed, eliminating jump starts. PulseTech's patented Pulse Technology reverses the naturally occurring process of battery sulfation – the main cause of battery failure. Removing sulfate crystals from the battery plate allows batteries to accept, store and release maximum power all the time extending battery life up to three times.

The LED operation and indicator gives the current status of the connected solar array, the current charging state of the controller, the current status of the on-board PulseTech Pulsing Technology and will detect 12V and 24V batteries.

### Specifications

#### Input Electrical

Solar Powered

#### Output Electrical

Output Current 1.5 Amps  
Output Voltage, Maximum 14.8 Volts

#### Mechanical/Physical Characteristics

Circuit Box Dimensions 5.5" L x 2.5" W x 1.2" H  
Solar Panel Dimensions 18.69" L x 16.13" W x 0.2" H  
Shipping Weight 6 pounds  
Box-to-Lug Wire Length: 10'  
Box-to-Panel Wire Length: 15'

#### PT20 Indicators

Solar Status: Green light: solar is present and >15V  
Off: solar is <15V  
Battery Status: Solid Green: float/fully charged  
Fast Blinking Green (6x per sec.): absorption  
Solid Orange: bulk charging  
Solid Red: soft charging  
Blinking Red: battery error  
Off: no battery connected  
Pulse: Blinking Red: PulseTech Pulsing Technology is working  
Off: Pulsing is off  
12 Volt: Solid Green: system voltage is 12V  
Off: system voltage is 24V  
24 Volt: Solid Green: system voltage is 24V  
Off: system voltage is 12V  
Battery Type: Solid Green light: battery type listed is the active profile  
Off: another battery type is set as the active profile

#### Environmental

Operating Temperature 0°F to 130°F (-18°C to 54°C)  
Storage Temperature 0°F to 150°F (-18°C to 66°C)

### Ordering Information

735X790

Part Number

SP-25 12V PT20

Model Number



800-580-7554

www.pulsetech.net