

**SP-25 SolarPulse 24V Solar Charger Maintainer, 25-Watt**
**Part #: 735X791**
**NSN: Pending**
**Description:**

**Maximum battery performance on vehicles kept outdoors.** The SP-25 24-Volt Solar Charger Maintainer provides a full 25-Watts of power in a compact, durable 17.88" L x 14.34" W x 0.2" H solar panel. The SP-25 re-stores, charges and desulfates individual batteries as well as two to four 24-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.

- Works on all 24-Volt systems including lead acid, VRLA, AGM, gel and flooded cell
- Works on 24-Volt batteries or on a 24-Volt battery system
- 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

**Specifications:**

Input Electrical	
Solar Powered	
Output Electrical	
Output Current	0.8 Amps
Output Voltage Maximum	29.6 Volts
Mechanical/Physical Characteristics	
Circuit Box Dimensions	3.62" L x 4.53" W x 1.52" H
Solar Panel Dimensions	17.88" L x 14.34" W x 0.2" H
Shipping Weight	6 pounds
Box-to-Lug Wire Length	10'
Box-to-Panel Wire Length	15'
PT20 Wire/Descriptions	
Solar Panel to Controller Input Wire	5.2m or 15'
12 AWG Battery to Controller Power Feed Wire with 25A Fuse	3m or 9'10"
12 AWG ATP Plug with Butt Splice Wire	15.2cm or 6"
Battery Temperature Sensor Wire	2.9m or 9.5'
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)




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