

SP-2 SolarPulse 12V Solar Charger Maintainer, 2-Watt



Charges, Maintains and Desulfates any 12-Volt Battery Stored Outside

- Works on all 12-volt lead-acid batteries including VRLA, AGM and flooded cell
- Crystalline silicon photo-voltaic cells maximize solar-to-energy conversion in smallest possible footprint
- Restores and maintains normal loss of battery power on seldom-used vehicles and equipment stored outside
- Patented Pulse Technology keeps battery plates clean of damaging sulfate deposits extending battery life up to 5 times
- Indestructible commercial design
- Maintains batteries indefinitely without danger of overcharging or overheating



The 2-watt SolarPulse® charges, maintains and desulfates 12-Volt batteries in vehicles and equipment that are stored and used outside, replacing the power loss from electrical accessories that occurs even when the ignition is switched off. Rated at 250mA, the SP-2 is reverse polarity protected. At just 4.75" x 8.56" x 0.125", it can be flush mounted with the smallest possible footprint.

This uniquely designed solar panel is made of highly efficient proven crystalline silicon photo-voltaic cells, encapsulated with a clear polyurethane plastic coating, and mounted on a laminated aluminum substrate back plate that is less than 1/4" thick. Since the solar cells are placed directly on a low profile aluminum panel instead of a thicker, bulkier metal frame, it can be flush mounted so there's less chance of being accidentally damaged. Instead of a breakable glass coating, SolarPulse's solar panels are protected with a clear polyurethane plastic coating that makes them virtually indestructible and impervious to weather aging and damage from bumps and knocks.

The SP-2 uses PulseTech's patented Pulse Technology which imposes high frequency pulsing cycles into batteries that work to break up and reduce both the

number and size of sulfation deposits on battery plates – the main cause of battery failure. The result is batteries that maintain their state of charge much longer and accept re-charge more readily, dramatically extending battery life by as much as five times.

An LED light indicates charge so you know when it's working. The LED shines brightly when the solar panel is in full sunlight and working at optimum level, blinks when the panel is exposed to partial sunlight and goes out at night. Five-Year limited warranty.

Specifications

Input Electrical	
Solar Powered	
Output Electrical	
Output Current	250mA
Output Voltage, Maximum	16.5 V dc
Desulfating Pulse Peak Amplitude	250 mA
Desulfating Pulse Frequency	18 kHz to 36 kHz
Pulse Rate Time	20mS at 2 second intervals

Mechanical/Physical Characteristics	
Circuit Box Dimensions	3.25" L x 2.25" W x 1.5" H
Solar Panel Dimensions	4.75" L x 8.56" W x 0.125" H
Shipping Weight	1.7 lbs.
Box-to-Lug Wire Length:	3'
Box-to-Panel Wire Length:	17'
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)

Indicators
Bright LED indicates charging

Ordering Information

735X302 Part Number
 SP-2 Model Number
 6130-01-388-0245 NSN

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