

# ERV SolarPulse 12V Solar Charger Maintainer, 7-Watt



## Built for Easy Light Bar Installation on Emergency Vehicles

- Works on all 12-Volt lead-acid batteries including VRLA, AGM gel and flooded cell
- Charges, maintains & desulfates any 12-Volt battery stored outside
- Supplied with unterminated wires for simple installation without connector removal
- Crystalline silicon photo-voltaic cells maximize solar-to-energy conversion in smallest possible footprint
- Patented Pulse Technology extends battery life up to 3 times
- Reverse polarity protected
- Maintains batteries indefinitely without danger of overcharging or overheating



The 7-Watt Solar Charger Maintainer restores and maintains the normal loss of 12-Volt lead-acid battery power on vehicles or equipment with high parasitic drain. 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.

The longer, narrow profile 16" L x 4.93" W x 0.25" H solar panel is designed to be installed easily on the light bar of emergency and law enforcement vehicles. 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 ERV 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 three times.

An LED light indicates charge so you know when it's working. A red LED shines steady in full sunlight and fades in partial light. Ten year limited warranty.

### Specifications

#### Input Electrical

Solar Powered

#### Output Electrical

Output Current 450 mA

Output Voltage, Maximum 16.5 V dc

#### 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)

#### Mechanical/Physical Characteristics

Circuit Box Dimensions 3.25" L x 2.25" W x 1.5" H

Solar Panel Dimensions 16" L x 4.93" W x 0.25" H

Shipping Weight 2.7 pounds

Box-to-Lug Wire Length: 3'

Box-to-Bare Wire Length: 15.5'

Panel-to-Bare Wire Length: 1.5'

#### Indicators

Red LED shines steady in full sunlight and fades in partial light

### Ordering Information

735X613

Part Number

ERV

Model Number



800-580-7554

www.pulsetech.net