

# PULSE SOLAR CHARGER W/PUSH-TO-TEST (PSC-PTT) 24 VDC

NSN: 6130-01-497-0964



## Functional Description

The Pulse Solar Charger (PSC) with Push-To-Test (PTT) is a 24V vehicle battery charger that charges all types of lead acid batteries including AGM and flooded cell batteries. This solar charging system prevents the loss of battery State of Charge (SOC), desulfates the battery, and helps offset energy loss from key-off parasitic loads. The PSC -PTT will not recharge dead batteries. The 24V Pulse Recovery Unit (PRU) prevents overcharge of batteries allowing the PSC to be left connected indefinitely. The PTT unit provides an indication of the battery's SOC and allows the user to manage the vehicle battery system more efficiently.

## Technical Description

### Information

Manufacturer: PulseTech  
Model: 735X643

### Power

**Output:**  
DC: 28 @ 200mA  
Pulse Frequency: 22-28 KHz

### Battery Types

Lead Acid: Flooded Cell  
Absorbed Glass Mat: AGM

### Dimensions

Length (in): 0.125  
Width (in): 9.0  
Height (in): 11.0  
Weight (lbs): 2.0  
Square (ft<sup>2</sup>)/Cube (ft<sup>3</sup>): 0.008/0.007

**NOTE:** Modification Instructions for mounting of the PSC W/PTT on the floodlight set have been developed. The PRU will pull between 3mA to 5mA (3 Amp hours per 30 days) from the generator battery. The PSC unit should always be disconnected from the battery for long term storage or the PRU will discharge the battery.