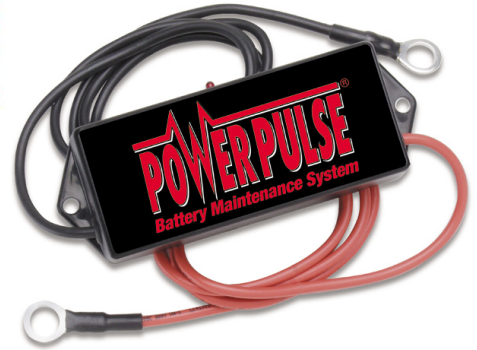
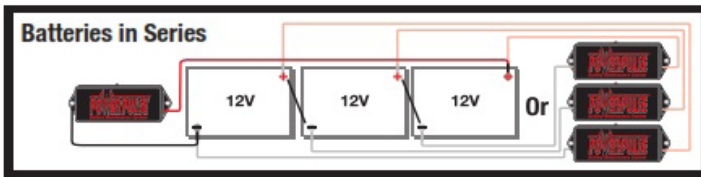


PowerPulse Maintenance Systems for 12/24/36/48-Volt Batteries

Enables Batteries to Recharge Faster and Last Longer



- Works on all lead-acid batteries (VRLA, AGM and flooded cell)
- Ensures peak battery performance by removing sulfation buildup on battery plates
- Increases battery life span up to five times
- Provides greater charge acceptance so batteries recharge faster
- Includes LED light that indicates the circuit is energized and the unit is working
- Safe, reliable and weather proof
- Five-Year Limited Warranty

The PowerPulse Maintenance System was selected as a Top 50 Product by Automotive Engineering magazine and is designed to ensure maximum battery performance in frequently used vehicles or pieces of equipment. It is not a charger and should only be used on vehicles or equipment that are regularly used and frequently charged. Charging alone doesn't eliminate the main cause of battery failure – energy robbing lead sulfate deposits on battery plates.

The PowerPulse is a performance enhancing device designed to help batteries charge faster and provide maximum performance and power by generating an intermittent, optimized high frequency pulse that reduces existing sulfate deposits and keeps them from building up again. The patented Pulse Technology enables batteries to accept, store and release maximum power when needed. PowerPulse units work with single batteries, batteries in parallel and batteries in series. Refer to the chart below for the various PowerPulse configurations.

Specifications

Output Electrical

Desulfating Pulse Peak Amplitude:	2 Amps
Desulfating Pulse Frequency:	18kHz to 37kHz
Pulse Rate Time:	20mS at 2 second intervals
All models use a very small portion (< 2%) of the battery's own energy to produce desulfating pulses.	

Mechanical / Physical Characteristics

Dimensions:	4"L x 1.75"W x 1"H
Shipping Weight:	0.5lbs
Wire Length:	3'

Environmental

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

Indicators

Red LED pulses when unit is properly connected to battery.

PowerPulse Configurations

Model No.	Part No.	Single Battery	Batteries in Parallel	Batteries in Series
PP-12-L	735X012	12-Volt	Up to three 12-Volt	Two 6V
PP-24-L	735X024	24-Volt	Up to three 24-Volt	Two 12V or Four 6V
PP-36-L	735X036	36-Volt	Up to three 36-Volt	Three 12V
PP-48-L	735X048	48-Volt	Up to three 48-Volt	Two 24V or Four 12V