

Frequently Asked Questions!

Q: What is a Battery Tender charger?

A: A Battery Tender charger is a microprocessor controlled fully automatic charger / maintainer. It is designed to extend the life of any lead acid battery commonly used in automobiles, motorcycles, ATV's, personal watercraft, RV's, boats, airplanes, golf carts, back-up generator systems, etc. Any vehicle or battery operated piece of equipment not used on a daily or regular basis is a candidate for a Battery Tender charger. The advanced technology will bring the battery back to a full charge without overcharging and then float or maintain the battery for an indefinite period of time. The Battery Tender Junior and Battery Tender Plus come equipped with alligator clips and ring terminals for easy hook up!

Q: Who should buy a Battery Tender charger?

A: Any person owning a vehicle not used on a daily or regular basis is a candidate for a Battery Tender charger! Batteries experience a natural self discharge of varying degrees. We calculate most lead acid batteries discharge at a rate of 1% per day when not in use. Many newer vehicles have internal systems that require electrical current while not in use to sustain memory and programming features. Thus, over time a battery will fully discharge. Whether it be a motorcycle, personal watercraft, ATV, trailer boat, classic car, performance vehicle, rider lawnmower or RV, a Battery Tender will assure that vehicle will be ready to go when you are! In addition, the number of people who have winter homes in different locations has increased dramatically over the years. They leave many vehicles in storage or unattended for a month or a season!

Q: How often should I use a Battery Tender?

A: Any vehicle not used on a daily basis should be hooked up to a Battery Tender to ensure maximum battery life. No matter what time of the year it may be, plug in the Battery Tender when

the vehicle is not in use! This will assure a healthy battery without sulphation or loss of reserve capacity. Even in season, a battery needs to be recharged properly! Higher temperatures accelerate battery discharge more than cold temperatures! A battery stored at 95 degrees F will discharge twice as fast as one stored at 75 degrees F.

Q: How does the Battery Tender work?

A: Battery Tender technology is microprocessor controlled and fully automatic! It is a constant current charge program that does not shut off! After fully charging a battery, the voltage drops to a maintenance / float level at a very low current for an indefinite period of time. If the electronic draw on the vehicle pulls the battery voltage down from an optimum of 13.2V to 12.7V, the Battery Tender will recognize this and automatically go back into a charge mode to keep the battery fully charged and ready to go.

Q: If I hook up the Battery Tender when my vehicle is not in use, how much longer will my battery last?

A: A Battery Tender will significantly extend the life of a battery if hooked up when a vehicle is not in use. This is probably the most difficult question to quantify or answer accurately! There are so many factors involved in extending the life of a battery. Weather conditions, environment, and frequency of use all play into the life of a battery. Any vehicle not used on a daily basis is a candidate for a Battery Tender charger. If the occasionally used vehicle is plugged in when not in use, the battery should last from 5 to 8 years. We have actually had customers tell us they are into their 11th and 12th year with the same battery! A battery, depending on the area in North America, will typically last an average of 3-4 years. Protect your investment with a Battery Tender for a longer battery life!

BATTERY TENDER® JUNIOR

5 Year Warranty

12V@0.75A (#021-0123)

6V@0.75A (#021-0127)

4-Step Charging

(Qualification, Bulk, Absorption, Float)

Spark Proof

Short Circuit Protected

Reverse Polarity Protected

Safety Timer 80 Hours

(prevents damage to marginal batteries)

Dimensions: 3.3"L x 2.3" W x 1.9"H

Shipping Weight: 2 lbs.

WATERPROOF 800

3 Year Warranty

12V@0.800A (#022-0150-DL-WH)

Waterproof!

3-Step Charging

(Qualification, Bulk, Float / Maintenance)

Spark Proof

Short Circuit Protected

Reverse Polarity Protected

Dimensions: 4.2"L x 2.8"W x 1.4"H

Shipping Weight: 2 lbs.

BATTERY TENDER® PLUS

10 Year Warranty

12V@1.25A (#021-0128)

6V@1.25A (#021-0144)

4-Step Charging

(Qualification, Bulk, Absorption, Float)

Spark Proof

Short Circuit Protected

Reverse Polarity Protected

Temperature Compensated

Safety Timer 72 Hours

(prevents damage to marginal batteries)

Dimensions: 4.9"L x 3.3"W x 2.9"H

Shipping Weight: 3 lbs.

Deltran Corporation 801 International Speedway Boulevard, Deland, FL 32724 Tel: 386.736.7900 Fax: 386.736.0379



Ideal For...



Deltran

Battery Tender®



Automotive Preferred Supplier

Technologically Advanced Battery Chargers

2012 | www.batterytender.com

Battery Tender® JUNIOR



Battery Tender® WATERPROOF 800



Battery Tender® PLUS



If you own a vehicle that you do not use on a weekly basis and have experienced a dead battery READ THIS!



Most battery problems are self-inflicted and can easily be prevented by connecting to a Deltran Battery Tender® when the vehicle is not in use. A dead battery will spoil your day. There is nothing worse than getting on or into your prized possession turning the key and hearing that gut wrenching silence of a dead battery. The folks at Deltran call it the “click-click blues syndrome.”

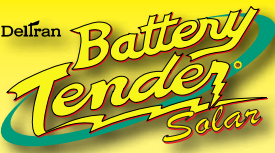
Dead batteries can lead to all sorts of expensive problems, excessive load on the starter, insufficient voltage to operate the electronic ignition, divorce, and dog kicking. All your battery problems can be avoided if you simply connect your vehicle to a Deltran Battery Tender.

Our entire line of battery chargers are microprocessor controlled, designed to charge batteries to a 100% of their capacity then automatically switch to a float/maintenance mode. Face the facts, your battery will die at the most inconvenient time and usually the farthest point from home. Save yourself the aggravation; buy a Deltran Battery Tender and enjoy your time off worry free!

If you want to ensure that your battery is always ready to go when you are keep it connected to a Deltran Battery Tender.



Exclusive Solar Panel Design with Built-in 3-Step Automatic Microprocessor Controlled Charge Controller

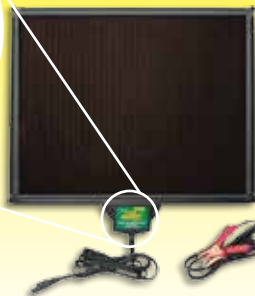


**5 Year Limited Warranty**  
on Battery Tender Solar Products \*Broken Glass must be reported within 5 days of receipt to be covered under warranty.

- 12V Application Voltage
- Reverse Polarity Protected
- Spark Proof
- Temperature Compensation Sensor
- Water Proof
- Includes 2 Alligator Clips



Deltran Battery Tender® is one of the few manufacturer's that mount a controller onto the solar panel frame!



**5 Watt Charger**  
270 mAmps (# 021-1163)  
H:13.25" x W:16" x D:1"



**10 Watt Charger**  
540 mAmps (# 021-1164)  
H:26" x W:16" x D:1"



**15 Watt Charger**  
830 mAmps (# 021-1165)  
H:38" x W:16" x D:1"

**Explanation of Terms – (1) QUALIFICATION:** Ensures safety by verifying battery status prior to charging.

Battery Tender® Solar Optional Accessories



**Solar Battery Charge Controller** (# 021-1162)  
Connects any solar panel to create a portable solar powered charger using Battery Tender® patented and proven charging algorithm. Designed to be used with ANY 5 to 45 watt non-Battery Tender® solar panels.



**OBDII Connector** (# 081-0154-DL)  
The OBDII connector is a standard connection point to the battery on all new vehicles that will allow you to set the 5 watt panel on your dash and charge/ maintain your vehicle battery from inside the vehicle.



**Solar Bag** (# 500-0160)  
The 5 watt solar panel carrying case is made from a heat deflecting nylon material that unfolds to act as a heat barrier between your Battery Tender Solar panel and the dash of your car to avoid any damaging effects of excessive heat.

PowerTender Plus



- 2 Year Warranty**
- 12V@5.0A (#022-0157)
- 24V@2.5A (#022-0158)
- Waterproof**
- Shock & Vibration Resistant
- 4-Step Charging (Qualification, Bulk, Absorption, Float)
- Short Circuit Protected
- Reverse Polarity Protected
- Safety Timer
- Case Dimensions: 5.25" L x 5.0" W x 2.0" H
- Shipping Weight: 4 lbs.

**(2) BULK CHARGE:** Constant current safely raises battery voltage to 14.4 Vdc. (recommended peak voltage)

2-Bank Battery Management System

- 2 Year Warranty**
- 12V@1.25A (#022-0165-DL-WH)
- 4-Step Charging (Qualification, Bulk, Absorption, Float)
- Spark Proof
- Short Circuit & Reverse Polarity Protected
- Temperature Compensated
- Safety Timer 72 Hours
- Includes 2 Alligator Clips and Fused Ring Terminals
- Case Dimensions 4.75"L x 7.0"W x 3.5"H
- Shipping Weight: 3 lbs.



4-Bank Battery Management System

- 2 Year Warranty**
- 12V@1.25A (#022-0148-DL-WH)
- 4-Step Charging (Qualification, Bulk, Absorption, Float)
- Spark Proof
- Short Circuit & Reverse Polarity Protected
- Temperature Compensated
- Safety Timer 72 Hours
- Includes 4 Alligator Clips and Fused Ring Terminals
- Case Dimensions 8.8"L x 7.0"W x 3.5"H
- Shipping Weight: 6 lbs.



**(3) ABSORPTION CHARGE:** Holds voltage at 14.4 Vdc to ensure that current continues to fully charge the battery.

5-Bank Battery Management System

- 3 Year Warranty**
- 12V@2.0A (#021-0133)
- 4-Step Charging (Qualification, Bulk, Absorption, Float)
- Spark Proof
- Short Circuit & Reverse Polarity Protected
- Safety Timer 72 Hours
- Case Dimensions 9.0"L x 6.8"W x 6.8"H
- Shipping Weight: 16 lbs.



10-Bank Battery Management System

- 3 Year Warranty**
- 12V@2.0A (#021-0134)
- 4-Step Charging (Qualification, Bulk, Absorption, Float)
- Spark Proof
- Short Circuit & Reverse Polarity Protected
- Safety Timer 72 Hours
- Case Dimensions 16.5"L x 6.8"W x 6.8"H
- Shipping Weight: 29 lbs.



**(4) FLOAT CHARGE:** Maintains fully charged battery at a safe constant 13.2 Vdc for maximum battery life!

Golf Cart Charger

- 2 Year Warranty**
- 12V@20A (#022-0180)
- 24V@20A (#022-0181)
- 36V@15A (#022-0182) (Marine)
- 36V@15A (#022-0169) (Golf Cart)
- 48V@10A (#022-0170) (Golf Cart)
- 5-Step Charging (Qualification, Bulk, Absorption, Equalization Float)
- Short Circuit & Reverse Polarity Protected
- Safety Timer
- Case Dimensions: 13"L x 7.75"W x 3.5"H
- Shipping Weight: 9 lbs.



Optional Accessories

- A. Zippered Pouch**  
Small 4"x6" (PN# 500-0017) shown  
Medium 6"x8" (PN# 500-0139)  
Large 10"x12" (PN# 500-0140)
- B. Extension Leads**  
25 ft Leads (PN# 081-0148-25)  
12.5 ft Leads (PN# 081-0148-12)
- C. Alligator Clips**  
(PN# 081-0069-4)
- D. Cigarette Lighter Adaptor**  
(PN# 081-0069-5)
- E. Fused Ring Terminals**  
(PN# 081-0069-6)
- F. OBDII Connector**  
(PN# 081-0154-DL)
- G. Female Cigarette Adaptor**  
(PN# 081-0069-8)



Battery Tender® International

- 2 Year Warranty**
- 12V@1.25A (#022-0139-DL-WH)
- Shock, Vibration, and Water Resistant!**
- 4-Step Charging (Qualification, Bulk, Absorption, Float)
- Spark Proof
- Short Circuit Protected
- Reverse Polarity Protected
- Temperature Compensated
- Case Dimensions: 5.4" L x 2.9" W x 1.6" H
- Shipping Weight: 2 lbs.



DVD 40 Dual Output Charger

- 2 Year Warranty**
- 12V@20A (#021-1158-12)
- Dual Output
- AGM or STD Flooded Charging Options
- 5-Step Charging (Qualification, Bulk, Absorption, Equalization & Float)
- Short Circuit & Reverse Polarity Protected
- Temperature Compensated
- Safety Timer 50 Hours  
Prevents Damage to Marginal Batteries
- Case Dimensions: 10.1" L x 8.7" W x 6.5" H
- Shipping Weight: 27 lbs.

