

Dellran

**Battery
Tender**®

Since the family started this company in 1965, Deltran Battery Tender® has taken great pride in designing, manufacturing, and distributing technologically advanced products that meet the ever changing needs of our worldwide customers! Our strategic initiatives have continued to focus on innovation and customer satisfaction.

Here at Deltran, performance isn't just a business, it's a way of life. Long after the final sale, our commitment to service lives on. We are constantly striving to improve every element of our business; from the products themselves to marketing and distribution. As the world advances, we remain state-of-the art with innovative designs and technologies.

So why use a Battery Tender® Charger over a conventional charger? Battery Tender®'s BTP Microcontroller Technology and quick-connect convenience automatically maintains the batteries in all your vehicles. They are ready to go when you are! You just set it and forget it, saving you hundreds of dollars in replacement batteries!

Battery Tender® assures the highest quality battery charging convenience and performance. That's why we are the top choice of collectors, dealers, and fleet owners!

INFINITE SEQUENTIAL MONITORING™

The heart of a Battery Tender® charger/maintainer is a unique, in-house developed and engineered microcontroller and Deltran's ISM™ (Infinite Sequential Monitoring) is the key component of that microcontroller. By constantly and automatically updating the charge sequence to provide a smooth, seamless transition, the ISM™ program automatically switches between all charging modes. Many of these transitions only need to be applied when the battery has been deeply discharged or deep cycled. Always applying a predetermined charge program to every battery, every time, is over-kill and can lead to shortened battery life. A Battery Tender® with its smart ISM™ programming avoids this pitfall by first reading any battery it is connected to and then reacting accordingly. All Deltran chargers operate with ISM™, deciphering millions of bits of feedback from the battery and automatically applying the proper, safe, charge sequences every time.



Battery Tender® JUNIOR

12V @ 750mA (#021-0123)

6V @ 1.25A (#022-0196)

8V @ 1.25A (#022-0197)

12V @ 750mA Lithium (# 022-0198LI)

ISM™: InfiniteSequentialMonitoring

Spark Proof

Short Circuit Protected

Reverse Polarity Protected

Safety Timer

(prevents damage to marginal batteries)

Includes Alligator Clips and

Fused Ring Terminals

Agency Approvals: UL/CSA, BC



Battery Tender® WEATHERPROOF 800

12V @ 800mA (#022-0150-DL-WH)

12V @ 800mA Lithium

(#022-0203-DL-WH)

WEATHERPROOF!

ISM™: InfiniteSequentialMonitoring

Spark Proof

Short Circuit Protected

Reverse Polarity Protected

Safety Timer

(prevents damage to marginal batteries)

Includes Alligator Clips and

Fused Ring Terminals

Agency Approvals: UL/CSA, BC



Battery Tender® PLUS

12V @ 1.25A (#021-0128)

ISM™: InfiniteSequentialMonitoring

Spark Proof

Short Circuit Protected

Reverse Polarity Protected

Temperature Compensated

Safety Timer

(prevents damage to marginal batteries)

Includes Alligator Clips and

Fused Ring Terminals

Agency Approvals: UL/CSA



Battery Tender® PLUS

HIGH EFFICIENCY

12V @ 1.25A (#022-0185G-DL-WH)

ISM™: InfiniteSequentialMonitoring

Spark Proof

Short Circuit Protected

Reverse Polarity Protected

Safety Timer

(prevents damage to marginal batteries)

Includes Alligator Clips and

Fused Ring Terminals

Agency Approvals: UL/CSA, CE, BC



Battery Tender® 5Amp

Power Tender Series

12V @ 5.0A (#022-0186G-DL-WH)
ISM™: InfiniteSequentialMonitoring
Spark Proof
Short Circuit Protected
Reverse Polarity Protected
Safety Timer(prevents damage to marginal batteries)
Includes Alligator Clips and Fused Ring Terminals
Agency Approvals: UL/CSA, CE, BC

Battery Tender®

Weatherproof Power Tender

12V @ 5.0A (#022-0157)24V @ 2.5A (#022-0158)

WEATHERPROOF!

Shock & Vibration Resistant
ISM™: InfiniteSequentialMonitoring
Short Circuit Protected
Reverse Polarity Protected
Safety Timer(prevents damage to marginal batteries)
Includes Alligator Clips and Fused Ring Terminals
Agency Approvals: UL/CSA, CE, BC





2-Bank Battery Management System

12V @ 1.25A (#022-0165-DL-WH)
ISM™: InfiniteSequentialMonitoring
Spark Proof
Short Circuit Protected
Reverse Polarity Protected
Safety Timer(prevents damage to marginal batteries)
Includes 2 Alligator Clips and Fused Ring Terminals
Agency Approvals: CE, BC

4-Bank Battery Management System

12V @ 1.25A (#022-0148-DL-WH)
ISM™: InfiniteSequentialMonitoring
Spark Proof
Short Circuit Protected
Reverse Polarity Protected
Safety Timer(prevents damage to marginal batteries)
Includes 4 Alligator Clips and Fused Ring Terminals
Agency Approvals: CE, BC





5-Bank Battery Management System

12V @ 2.0A (#021-0133)

ISM™: InfiniteSequentialMonitoring

Spark Proof

Short Circuit Protected

Reverse Polarity Protected

Safety Timer(prevents damage to marginal batteries)

Includes 5 Alligator Clips



10-Bank Battery Management System

12V @ 2.0A (#021-0134)

ISM™: InfiniteSequentialMonitoring

Spark Proof

Short Circuit Protected

Reverse Polarity Protected

Safety Timer(prevents damage to marginal batteries)

Includes 10 Alligator Clips



Portable Power Pack™

12V Jump Starter with USB Charger

ALSO INCLUDES: Car adapter, Wall Plug and Carrying Case

PRODUCT FEATURES:

- Lithium Powered
- Lightweight and compact
- Easy to use
- LED light for using at night
- LED charge indicator
- 400 cranking Amps
- 1 Year warranty
- Jump start your car or charge your portable devices.

SAFETY FEATURES:

- Spark Proof
- Reverse Hook-Up Protection
- Boost Power Button When Required
- Simple Connection To Power Pack

TECHNICAL SPECIFICATIONS:

- Size: Approx. 3.5in x 6.75in
- Weight: Approx. 0.9 lbs (Power pack only)
- USB Output: 5V \approx 2.0A
- Input: 12V \approx 1A
- Starting Current: 200A
- Peak Current: 400A
- Watt Hours: 41.07



Deltran

Battery Tender[®] Solar

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)
W:14" x L:16" x H:1" approx.



10 Watt Charger

540 mAmps (#021-1164)
W:14" x L:28" x H:1" approx.



15 Watt Charger

830 mAmps (#021-1165)
W:14" x L:40" x H:1" approx.

12V Application Voltage
Reverse Polarity Protected
Spark Proof
Water Proof
Includes Alligator Clips

Battery Tender® Solar Optional Accessories



**Solar Battery
Charge Controller
(#021-1162)**

Connects to 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.

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.



**OBDII Connector
(#081-0154-DL)**



**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.

Other 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)
6ft Leads (PN# 081-0148-6) **NEW**

C. Alligator Clips

(PN# 081-0069-4)

D. Cigarette Lighter Adaptor

(PN# 081-0069-5)

E. Fused Ring Terminals

(PN# 081-0069-6)

F. Dual Port USB Charger

(PN# 021-0161) (USB cable not included.)

G. Power Connect Battery Connector Set

(PN# 027-0004)

H. Female Cigarette Adaptor

(PN# 081-0069-8)

I. Battery Meter with LCD & LED Display

(PN# 081-0157)

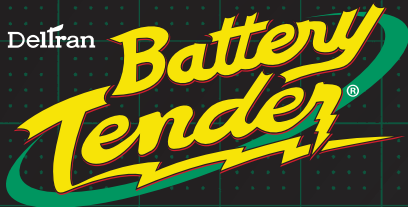
J. QDC USB Charger

(PN# 081-0158)

K. Dual USB Wall Charger

(PN# 022-0194-WH)
(USB cable not included.)





FREQUENTLY ASKED QUESTIONS!

Q: What is a Deltran Battery Tender® battery charger?

A: A Battery Tender® battery charger is a microcontroller controlled, fully automatic battery charger and maintainer. It is designed to extend the life of any battery commonly used in engine start applications for: automobiles, motorcycles, ATV's, personal watercraft, RV's, boats, golf carts, power-back-up generator systems, and others. The advanced technology will bring the battery back to 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 to the battery.

Q: Who should buy a Battery Tender® battery charger?

A: Any person who owns a vehicle that sits idle for any length of time, weeks or even months, should seriously consider using a Battery Tender® battery 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 vehicles now have internal electronic systems (GPS, system monitors and alarms, and others) that consume electrical current and therefore run down the vehicle's battery while the vehicle engine is not running. This just drains the battery faster and over time will fully discharge the battery.

Q: How often should I use a Battery Tender® battery charger?

A: To ensure maximum battery life, any time a vehicle is not being used it should be connected to a Battery Tender® battery charger. Certainly after a few days it's a good idea to use the Battery Tender®. This will keep battery fully charged and prevent sulphation or any loss of reserve capacity.

It's not enough to just use a Battery Tender® in the winter time. Higher temperatures accelerate battery discharge more than cold temperatures. A battery stored at 95 °F will discharge twice as fast as one stored at 75° F. So use your Battery Tender® all year long.

Q: How does the Battery Tender® battery charger work?

A: A Battery Tender® battery charger is microcontroller controlled and fully automatic. An internal software program maintains a constant electrical output charge current. Sensors report the state of the battery back to the microcontroller and after fully charging a battery, the voltage drops to a low maintenance or float level that is consistent with the recommendations of the majority of battery manufacturers. It also provides a very low current to maintain that for an indefinite period of time.

Q: If I hook up the Battery Tender® battery charger when my vehicle is not being used, how much longer will my battery last?

A: 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.

A typical automotive or power sport vehicle engine start battery, depending on the area in North America, will usually last an average of 3-4 years. If the vehicle is only used occasionally, like a motorcycle that may sit idle for 6 months in a year's time, and if it is connected to a Battery Tender® battery charger when it is not being used, then that battery should last from 5 to 8 years. That's basically double the life.



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