



5 & 10 Bank

Deltran

*The World's Most Advanced
Battery Chargers*

Battery Tender® Shop Chargers



**Flooded,
or AGM**

**3 Year
Warranty**



12Volts @ 2.0 Amps per Channel

BTP MICROPROCESSOR TECHNOLOGY

4-Step CHARGING Fully Automatic (Qualification, Bulk, Absorption, Float)

Charges / Maintains: Sealed, Maintenance-Free, AGM, or Flooded Lead Acid Batteries

Spark Proof – Even when output leads touch

Reverse Polarity Protection – No Charger Damage - No Battery Damage

72-Hour Safety Timer – Protects Marginal Batteries from Further Damage

State of Charge Indicator – 2 LEDs

Optional 25 ft Extension Cords (081-0148-25)

Will not overcharge or overheat small batteries (even 2.5 Ah)!

Deltran Battery Tender ® Shop Charger 5 & 10 Bank Models:

Ship with: Quick Connect **Cable Extension**, & Alligator Clips, NO RINGS.

Backed by: Deltran Factory **3-YEAR Limited Warranty.**

Supported by: World-Class **Customer Service & Technical Support.**

IDEAL FOR SEALED MAINTENANCE FREE AGM BATTERIES!

4-STEP = Qualification, Bulk Charge, Absorption Charge, & Float

Qualification – Verify battery status prior to charging.

Bulk Charge – Full current charge at 2.0 amps per channel to battery voltage Peak.

Absorption Charge – Hold battery voltage Peak Constant at 14.7 VDC

Float Charge – Maintain battery voltage at 13.2 VDC or Restart charge cycle if parasitic drain (electronics, clock, etc.) pulls battery voltage down below 12.6 VDC.

**DELTRAN BATTERY TENDER ® SHOP CHARGERS (5 & 10 Bank) WILL
CHARGE & MAINTAIN LEAD ACID BATTERIES FOR MOTORCYCLES / ATVs /
PERSONAL WATERCRAFT / & SNOMOBILES!**



5 & 10 BANK STATUS INDICATING LIGHT OPERATION:

RED - FULL RECHARGE (Automatic): **BULK & ABSORPTION:** When the red light is on, the battery charger is in the process of fully charging the battery. Each output has a maximum DC output of **2.0 Amps**. The length of the constant current bulk period depends on the time it takes for the battery to reach a voltage of 14.7 VDC.

GREEN FLASHING - ABSORPTION: When the green light is on and flashing, the battery charger is in the constant voltage, absorption mode. In this mode the charger will maintain the battery terminal voltage constant at **14.7 VDC** until one of two events occur. First, if 8 hours elapse from the time that the green light begins to flash, then the charger will switch to the float / maintenance / storage mode of operation. Second, if the battery charge current drops below 0.1 amp during this 8 hour period, then the charger will immediately switch to float mode.

GREEN – FLOAT: When the green light is on and not flashing, the battery charger is in the float / maintenance / storage mode. In this mode the charger will maintain the battery at full charge by attempting to keep a constant voltage of **13.2 VDC** across the battery terminals. If the battery becomes partially discharged due to an external current draw or excessive internal battery losses, the charger will automatically switch itself back to the full recharge mode of operation. The battery voltage threshold for this **RESET FUNCTION** is between **12.0 and 12.5 VDC**.

RED & GREEN ALTERNATING – ERROR: When the red and green lights alternate, either the 72-Hour Safety Timer has been activated, or the battery is defective. If the charger output cables are not properly connected to the battery, both red and green lights will be off.



NOTE: TYPICAL TIME TO RECHARGE a Motorcycle, ATV, or Sports Watercraft Battery Is 3 to 5 HOURS.



Typical Time to Recharge AGM (& Flooded) Lead Acid Batteries Using Deltran 12 Volt Chargers

(Total Time Required for the GREEN LIGHT to Turn ON and NOT FLASH may take longer, and will vary with Charger Model.)

Battery Charger	10 to 20 Ah	25 to 40 Ah	45 to 65 Ah	70 to 95 Ah	100 to 155 Ah	160 to 185 Ah	190 to 215 Ah	Battery Charger
5 & 10 Bank	3 to 5 Hrs.	6 to 10 Hrs.	11 to 16 Hrs.	18 to 24 Hrs.	25 to 39 Hrs.	<i>Recommended for Maintenance Only</i>		5 & 10 Bank
						40 to 46 Hrs.	48 to 54 Hrs.	
TYPICAL USE:	Motorcycle, ATV, Sports Watercraft	Wheelchair / Elec-Motor Assist	Automotive / Farm Equip SLI	TRUCK SLI, Marine Trolling Motor	MARINE, RV, or Industrial Vehicle Applications.			

Deltran



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