



# DELTRAN BATTERY TENDER® PLUS Installation & Mounting Instructions



The Battery Tender® Plus charger has an AC power cord with a NEMA 5-15 plug (3-pins, including ground) that plugs into a grounded, residential AC receptacle. The approximate AC power cord length is 6 feet. **There is no ON / OFF switch on the charger.**

**ON THE 12 VOLT MODELS ONLY:** The DC output cord is a 2-wire, insulated cable assembly with a black, molded, 2 pin quick-disconnect plug on the end. That plug connects to a number of DC output cable accessories. The approximate DC output cable length is 4.5 feet. The UL-1236 Standard requires a **total of 12 feet from the AC mains wall receptacle to the battery terminals.** The total cable lengths are **AC cord 6 feet + DC output cord 4.5 feet + DC Cable Assembly Accessory 1.5 feet (18 inches minimum).**

**FOR THE 12 VOLT MODELS ONLY:** The common DC output cable assembly accessories are: (Approx cable lengths 18 inch min, 24 inch max.) Shown in order from left to right:

- 081-0069-6: Fused Ring Terminal Cable Assembly
- 081-0069-4: Fused Alligator Clip Cable Assembly
- 081-0069-5: Fused Cigarette Adapter Cable Assembly



**FOR THE 6 VOLT MODELS ONLY:** The common DC output cable assembly accessories are: (Approx cable lengths 18 inch min, 24 inch max.) Shown in order from left to right: Notice the white connectors on the accessories for the 6 Volt BT Plus.

- 081-0069-6W: Fused Ring Terminal Cable Assembly
- 081-0069-3: Fused Alligator Clip Cable Assembly
- There is no Cigarette Adapter Cable Assembly



**FOR THE 12 VOLT MODELS ONLY:** Extension cables have the same cord configuration as the DC output cable connected to the charger body. Each end of the cable extension has a black, molded, 2 pin quick-disconnect plug.

- 081-0148-25 Extension Cable, 25 ft long.
- 081-0148-12 Extension Cable, 12 ft long.



The 25 & 12 ft extension cords WILL NOT directly connect to the 6 Volt BT Plus

The following connection rule applies for DC cable assemblies and the black, molded, 2 pin quick-disconnect plug.

**If the DC cable is directly connected to the body of a charger, then the exposed pin is connected to POSITIVE voltage at the charger output.** The same will be true for the exposed pin on the end of an extension cable when the other end of the extension cable is connected to the charger DC output cable.

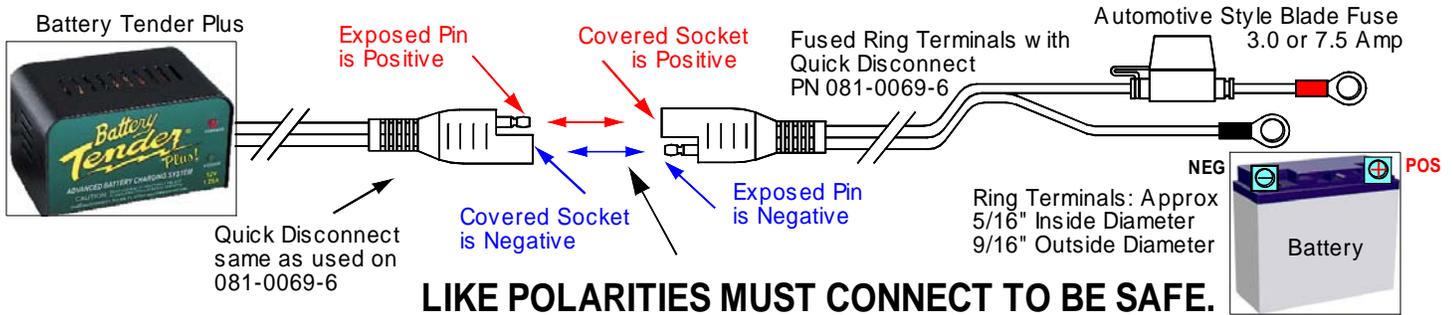
DC cable assembly accessories are designed so that the rings, clips, or the cigarette adapter connect to a battery. **The exposed pin on a DC cable assembly accessory is connected to NEGATIVE OR REFERENCE voltage at the battery.** Again, the same will be true for the exposed pin on the end of an extension cable when the other end of the extension cable is connected to a DC cable assembly accessory.



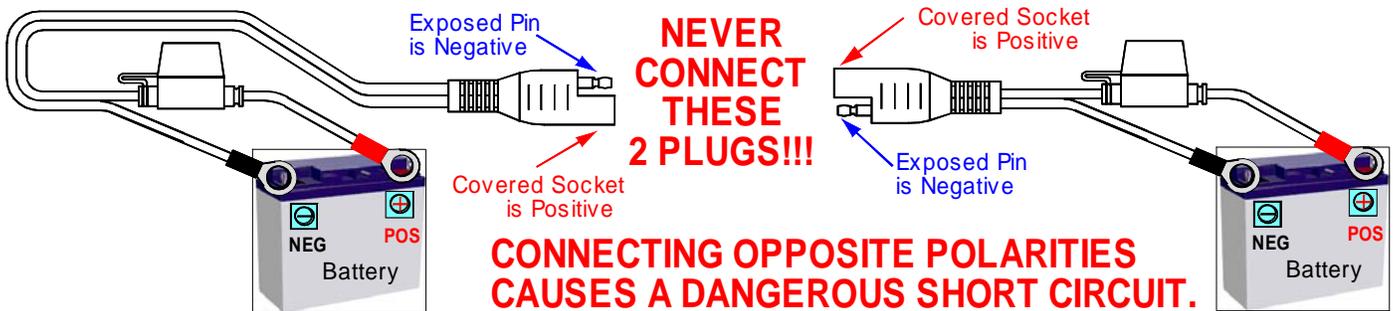
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The following picture shows a typical connection between the 12 Volt Battery Tender Plus (PN 021-0128), the fused ring terminal cable assembly (PN 081-0069-6) and a 12 Volt lead-acid battery.



**⚠ DANGER: NEVER CONNECT THE QUICK DISCONNECT PLUGS TOGETHER ON TWO (2) DC CABLE ASSEMBLY ACCESSORIES THAT ARE BOTH CONNECTED TO BATTERIES. THESE CABLES ARE NOT JUMPER CABLES!!**



EVEN A RELATIVELY SMALL 18 TO 22 AMP HOUR MOTORCYCLE BATTERY CAN GENERATE **SEVERAL HUNDRED, MAYBE EVEN MORE THAN ONE THOUSAND AMPERES** WHEN THE TERMINALS ARE SHORT CIRCUITED!

Insulation will melt, and virtually vaporize. Conductors will turn bright orange and any combustible material that is nearby will very likely begin to burn.

**THIS SITUATION IS EXTREMELY DANGEROUS.**