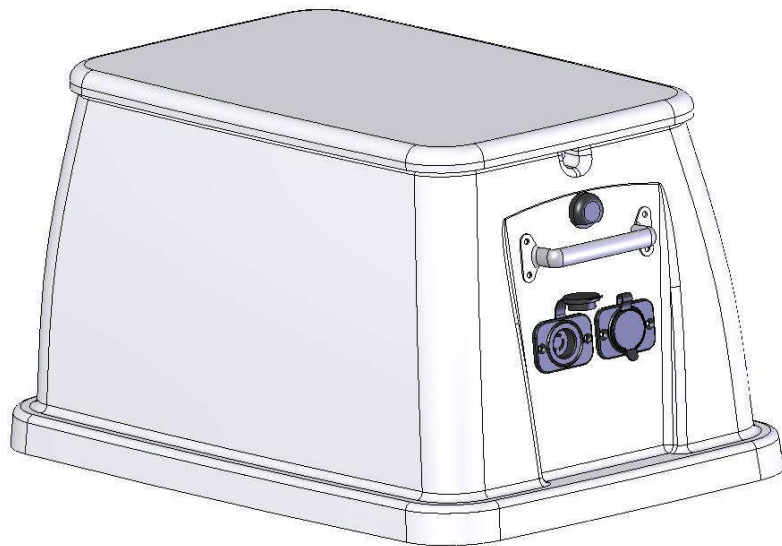




**BOTTOMS UP FISHING**  
**OPERATING MANUAL AND SAFETY INSTRUCTIONS**



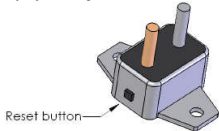
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## IMPORTANT SAFETY INSTRUCTIONS

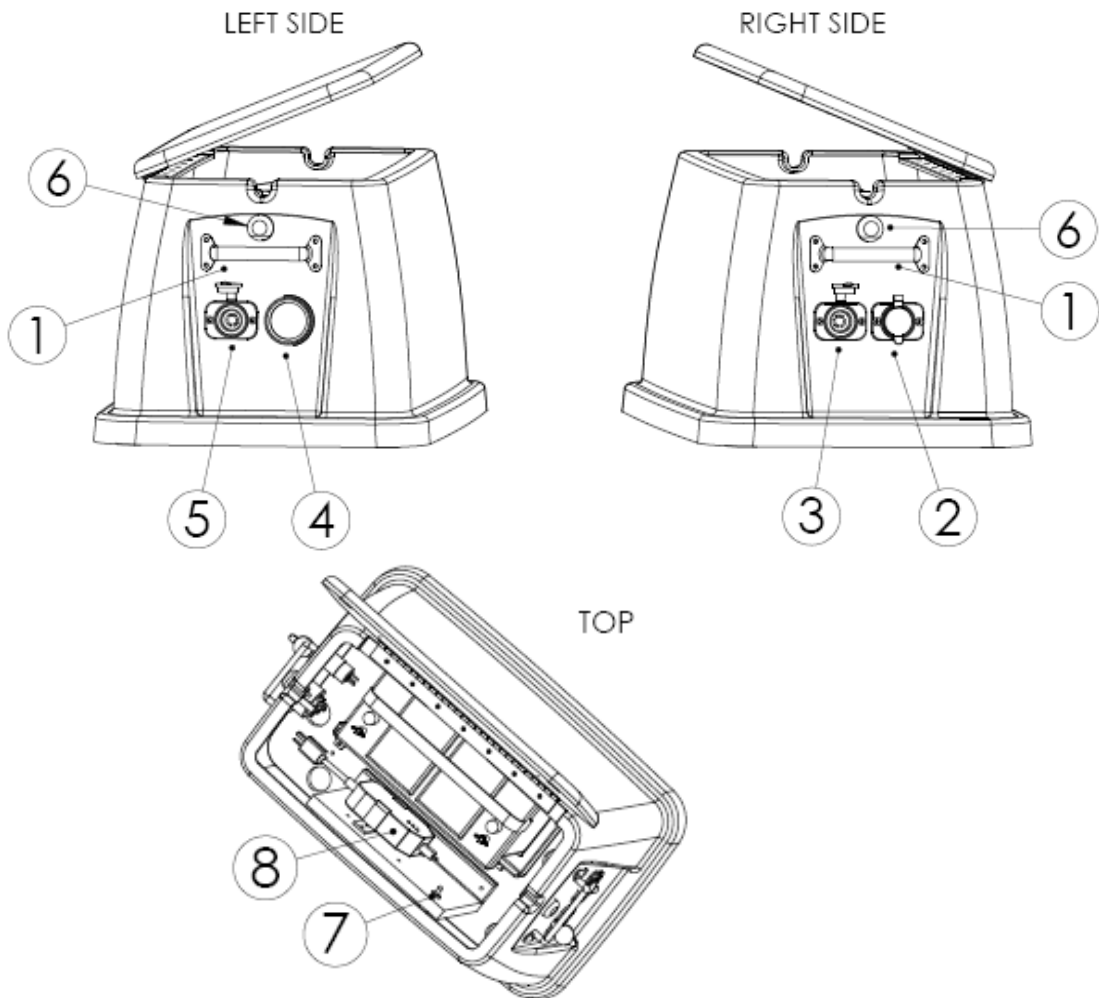
READ AND FOLLOW ALL SAFETY INSTRUCTION BEFORE INSTALLING A BATTERY OR USE OF THIS DEVISE.

1. Warning, risk of fire or corrosion: Assure the battery is securely restrained in the battery holder provided with this unit. If the battery is allowed to move indiscriminately while the vessel is in motion over waves or while being transported over land, it can become damaged. A damaged battery can result in If the leakage of battery acid. Also movement of the battery can result in loosening of electrical connections or sparking.
  2. Warning, risk of fire or explosion: Do not place this, or any other electrical devise, near any flammable fuel sources.
  3. Warning, risk of fire or explosion: Do not allow any metallic objects to come in contact with the battery terminals. This contact could result in a spark of sufficient energy to ignite any explosive vapors that might be present or to start an electrical fire.
  4. Warning risk of fire or explosion: This devise is equipped with ventilation holes to prevent accumulation of explosive hydrogen gasses. Never block the vent holes. Also, to prevent the accumulation of hydrogen gas, always leave the lid open while charging the battery.
  5. Warning risk of electric shock, fire or explosion: While charging your battery follow these safety rules.
    - a. Do not operate battery charger in hazardous explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
    - b. The battery charger plug must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with the battery charger. Unmodified plugs and matching outlets will reduce risk of electric shock. Never remove the grounding prong from the plug. Do not use the battery charger if the power cord or plug is damaged.
    - c. Do not expose battery chargers to rain or wet conditions. Keep the Bottoms Up cover closed when not charging the battery. Water entering a battery charger will increase the risk of electric shock.
    - d. When operating the battery charger outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
    - e. If operating a battery charger in a damp location is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) protected supply. Use of a GFCI reduces the risk of electric shock.
- (continued on next page)

- f. Extension cord use: If you are using an extension cord outdoors, make sure it is marked with the suffix "W-A" ("W" in Canada) to indicate it is acceptable for outdoor use. Make sure the extension cord is properly wired and in good electrical condition. Protect the extension cords from sharp objects, excessive heat, and damp or wet areas.
  - g. The battery charger may get hot during use due to an electrical fault, or if it is used in a hot environment. The charger's heat can build up to unsafe levels and create a fire hazard if it does not receive adequate ventilation. Always leave the lid open while charging the battery.
  - h. Never charge the battery while the 12 volt DC power is in use.
  - i. Do not use the battery charger to charge a completely dead, damaged or severely discharged battery. This charger is designed to top-off and maintain a battery at or near 12 volts DC.
6. Warning, risk of bodily harm or death: People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
7. Warning, risk of fire: When connecting electrical devices to the 3 pronged 12 volt DC receptacle(s), only use the 3 pronged plug(s) supplied with the device. Connect the plug to the cord provided by the 12 volt DC device manufacture.
8. Warning, risk of fire: Electrical devices connected to the 12 volt DC three prong receptacle(s) must be rated for 12 volts DC and not exceed 30 amps. The receptacle(s) is protected by a 30 amp manually resettable circuit breaker.
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9. Warning, risk of fire: Electrical devices connected to convenience socket (cigarette lighter) must be rated 12 volts DC and not exceed 15 amps. This receptacle is protected by a 15 amp in line fuse.
10. Warning, risk of fire and corrosion: Only install a standard series 27 battery. The battery mounting tray is designed to accept a series 27 battery.
11. Warning, risk of fire: When replacing fuses, only use the same type and rating as the blown fuse.

SAVE THESE INSTRUCTIONS.

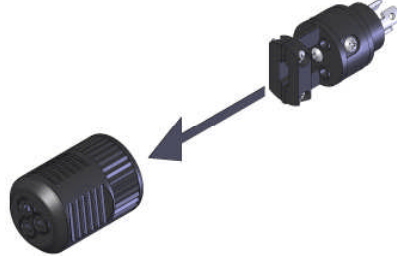
## Product Features Overview



	STANDARD STD001	DELUXE DLX001	PRO SERIES PRS001
1. HANDLE	YES	YES	YES
2. 12 VOLT DC CONVENIENCE RECEPTACLE		YES	YES
3. 12 VOLT DC, 30A, 3 PRONG RECEPTACLE		YES	YES
4. BATTERY CONDITION METER			YES
5. 12 VOLT DC, 30A, 3 PRONG RECEPTACLE			YES
6. L.E.D. DOWN LIGHT			YES
7. LIGHT SWITCH			YES
8. BATTERY CHARGER		YES	YES

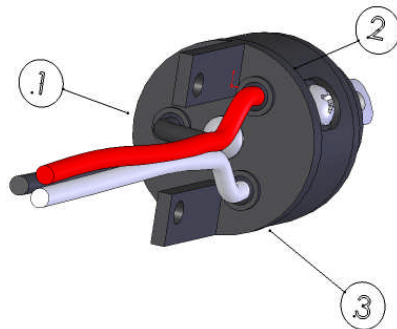
## Plug Installation.

1. Pull the cover off the plug by pulling it back away from the blades.

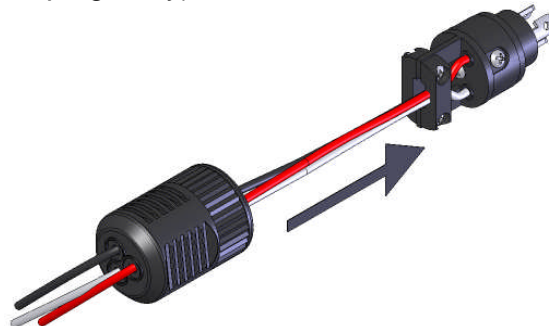


2. Push the electrical device's wires through the openings at the end of the cover. NOTE: if your 12 volt electrical device is equipped with three wires, cut out the third hole in the cover. Remove the strain relief by loosening the two strain relief screws. Place aside and save for Step 4. Strip the wires 1/2". If necessary, cut back the wires until clean wire is uncovered. Do NOT solder the ends of the wires.

3. Insert the negative wire into terminal 1 and the positive wire into terminal 2. For three-wire devices, an additional negative grounded terminal is available. Insert 3<sup>rd</sup> wire into terminal 3. Make certain there is no wire insulation inside the terminals, and there are no stray wire strands outside the terminals. Tighten the terminal screws to 12 in-lbs torque. Do not over tighten.

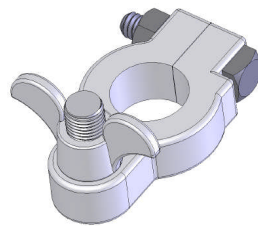


4. Replace the strain relief and tighten the two strain relief screws to 6 in-lbs torque so the strain relief clamp secures against the wires. Slide the boot over the device body, carefully positioning the cover to line up with the keyway slots (flat sides of the plug body).

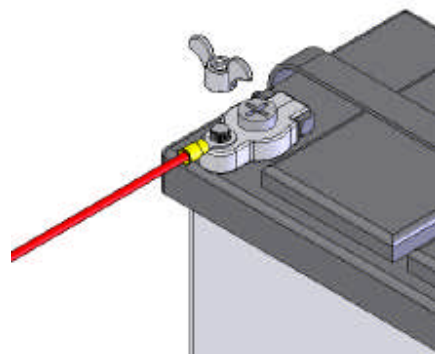
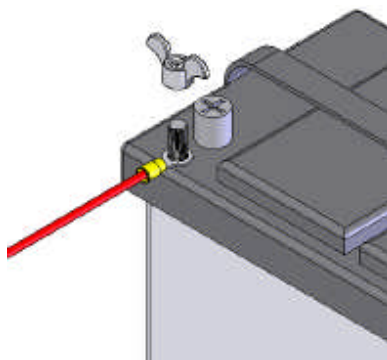


## Installing the 12 Volt DC Battery

1. Move the straps aside, then carefully place a series 27 12 volt battery in to the battery tray. Assure that the battery's terminal posts are oriented toward the center of Bottoms Up.
2. Route the straps between the cell groups of the battery, bring both ends of the strap together and fasten the buckle. Pull the loose end of the strap tight. The battery must not be allowed to move while the boat is in motion either on the water or during transport. See safety instructions.
3. Bottoms up is prewired to connect to the threaded posts of your battery. It will fit both 5/16 inch or 3/8 inch threaded posts, depending on which style you battery uses. If your battery is not equipped with threaded posts, you must install an adapter such as the adapter pictured below.



4. Connect the black power lead to the negative (-) post of the battery and secure. Next connect the red power lead to the positive (+) post and secure.



## BATTERY CONDITION METER

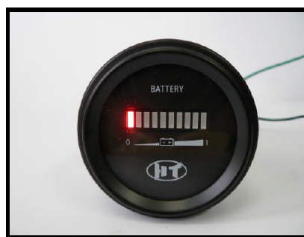
The battery condition meter consists of ten LED lights in a row. A fully charged battery will light the tenth green LED from the left.



As the voltage level decreases through usage, successive green LEDs light, one at a time, moving from right to left. When the third yellow LED from the left flashes, this indicates the battery is nearing the end of its useful charge (about 12.09 volts).



At about 12 volts the second LED from the left will flash yellow. When the battery charge falls to about 11.9 volts the first LED from the left will flash red while the second LED continues to flash yellow, alternately. At this point the battery is considered dead.

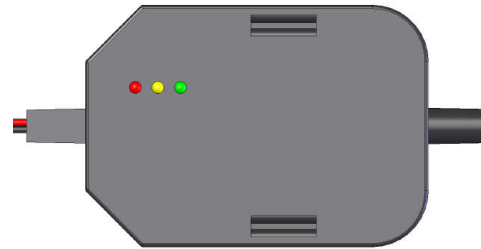


Check the specifications for the safe voltage range of operation of the 12 volt DC device you are using. The chart below will help you decide at what point it is time to recharge the battery.

LED position	#1 and #2	#2	#3	#4	#5	#6	#7	#8	#9	#10
Voltage	Less than 10.50	10.50-10.71	10.71-10.94	10.94-11.16	11.16-11.38	11.38-11.59	11.59-11.82	11.82-12.03	12.03-12.47	More than 12.47
LED state	Flashing red-yellow	flashing yellow	Lighted green	Lighted green	Lighted green	Lighted green	Lighted green	Lighted green	Lighted green	Lighted green

## Charging The Battery

1. Read and follow all the safety instructions located in the beginning of this manual, before proceeding.
2. Take bottoms Up to a clean, ventilated, well-lit, and dry location. See safety instructions.
3. Connect t the charger to an adequate extension cord and plug into an electrical outlet that matches the plug. Do not modify the plug. See safety instructions.
4. Observe the LED lights on the charger to determine the operational status of the circuit and the charger:



LED Color	Meaning
Green	Charger is plugged in.
Yellow	Charger is charging battery. Turns off after battery is charged.
Red	Cannot charge. Battery voltage too low or battery is not connected properly. Charger cannot charge batteries with less than 9V.

The charger automatically works in three stages, depending on the condition of your battery:

1st stage: Constant Current: When the battery is severely discharged, the Charger applies Constant Current. This stage speedily charges the battery while protecting against damage, loss of Hydrogen, or even explosion. The battery is charged to a maximum of 14.8 VDC.

2nd Stage: Constant Voltage. This is a speed charge cycle for batteries nearly full. It will top off the battery at 14.8 VDC, utilizing a 200 mA trickle charge.

3rd stage: Floating Constant Voltage. This stage maintains a fully charged battery in its best condition by constantly applying small "ticks" of charge. The battery will never fall below 13.5 VDC.



## **90 Day Limited Warranty**

Your Bottoms Up Power Supply is warranted by Bottoms Up Fishing to be free from all defects in material and workmanship for 90 days from purchase. This warranty is granted only to the original purchaser of the product and does not cover damages or malfunction caused by negligence, abuse, customer modification, or unauthorized service. Bottoms Up Fishing but cannot warrant the fuses, the battery, or the performance of the battery. If you believe you have a warranty claim go to [www.bottomsupfishing.com](http://www.bottomsupfishing.com) and follow the links. Bottoms Up Fishing will, at its option, repair or replace a defective component that is covered by this warranty.