

PBRCA Battery Charging Station (Operating Principles)

Note that for fire safety concerns, all battery charging must be done outside of the Press Box and at the charging station. It is against Club Policy to use the 110-volt AC power strip inside the Press Box for charging batteries inside the Press Box.

For the best charging experience while using our DC-volt charging stations, users should keep the following Operating Principles in mind:

- Plan on connecting your **battery chargers** to the **4mm** banana plug connectors on the DC Power Strips, using connecting wires ideally 24" long with banana tip plugs.
- To protect the DC Power Strips from fire, battery chargers and batteries should be placed on the wire shelf below the metal boxes that houses the DC Power Strips. Please avoid placing items in the metal boxes.
- Battery charging must only be performed when the *Smart Battery Monitor* shows the charging system's voltage above 12 volts. For example, in the screenshot below, the system is reporting 14.1 volts, so charging would be safe since it's above the minimum 12 volts.



- Users must charge their batteries within the following operating parameters of the DC Power Strips:
 - the maximum output current for each position is 24 Amps, **AND**
 - the total maximum current is 50 Amps.

Multiple users charging at the same time should coordinate among themselves to stay within the operating parameters of each charging station to avoid overloading the system.

- For safety and convenience, the charging stations are equipped with resettable circuit breakers. In the event a circuit breaker is tripped, first locate, and correct the offending connection(s) and then reset the circuit breaker.



Happy and safe charging!

Board of Directors
Palm Beach Radio Control Association
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