PBRCA Battery Charging Station

Operating Principles

⚠ Fire Safety Requirement

All battery charging must be performed outside the Field House and at the designated Battery Charging Station.



For fire-safety reasons, **Club Policy prohibits using the 110-volt AC power strip inside the Field House to charge batteries.**

Using the DC Charging Stations

- **Connect your charger to the DC Power Bars** using the 4mm banana-plug connectors provided on the alligator clips. Connecting leads approximately **24 inches long** with banana plugs are recommended. **Members may also use their own suitable alligator clips.**
- **Place chargers and batteries on the wire shelf below the metal boxes** housing the DC Power Strips.
  Do not place chargers, batteries, or other items inside the metal boxes.
- **Check the Smart Battery Monitor before charging.** Battery charging may only be performed when the charging system voltage is **above 12 volts**. For example, a reading of **14.1 volts** indicates that the system has sufficient voltage for charging.



Charging Limits

Each DC Power Strip must be operated within the following limits:

- **Maximum current per charging position: 24 Amps**
- **Maximum total current per charging station: 50 Amps**

When several members are charging batteries at the same time, please coordinate charging loads so these limits are not exceeded.

Circuit Breaker Protection

The charging stations are equipped with **resettable circuit breakers** for safety and convenience.



If a circuit breaker trips:

1. **Stop charging and locate the connection or load that caused the breaker to trip.**
2. **Correct the problem before proceeding.**
3. **Reset the circuit breaker only after the cause has been corrected.**

Charge Safely • Protect the Equipment • Help Keep PBRCA Flying