

**QuiQ - 72V Portable Charger Overview****WARNING!**

*NOT FOR OUTDOOR USE, DUSTY ENVIRONMENT, OR HUMID ENVIRONMENT.*

*MUST BE PROPERLY STORED AFTER USE IN WELL VENTED, ROOM-TEMPERATURE ENVIRONMENT.*

*FOR 85V BATTERY, THIS CHARGER WILL CHARGE THE BATTERY UP TO 89V*

**1) Portable Charger Content**

Open the case to access the Charger. This Charger is suitable for 24V, 36V, 48V, 85V Stromcore Battery.

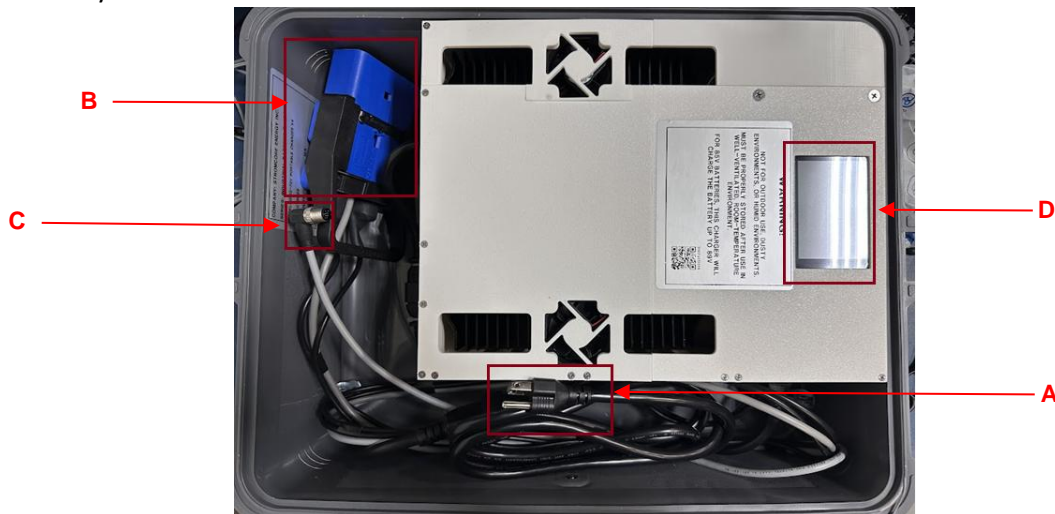


Figure 1: Portable Charger in the case

**2) Connecting the Charger**

- Plug the Wall Plug connector (Labelled A) into a 120VAC power outlet.
- Connect the Charge Port connector (Labelled B) to the battery or the appropriate adapter head.
- Attach the right-angle COM connector (Labelled C) to the battery's communication port. Ensure proper alignment using the alignment notch (tooth) before connecting. Carefully thread the connector to secure it, and do not force the connection to avoid damage.
- Once the main power is connected, the LCD screen (Labelled D) will activate.

**3) LCD Screen Status Indications**

The LCD screen provides real-time status updates based on the power and connection state of the charger:

- "Ready to Connect" – Displayed when the charger is plugged into a 120VAC power outlet, but neither the battery charge port nor the COM port is connected.
- "Pending COM Plug In" – Displayed when the battery charge port is connected, but the COM port is not.
- "Pending Port Plug In" – Displayed when the COM port is connected, but the battery charge port is not.
- "Charging" – Displayed when both the COM port and the battery charge port are connected. The screen will also show the battery voltage and State of Charge (SOC).
- "SOC Calibrating" – The charger automatically re-calibrates the battery SOC every hour. During this period, the battery will briefly reboot, and the screen will display this message.
- "Fully Charged" – Displayed when the battery has completed charging.



Figure 2: LCD display

#### 4) Charging Process and Completion

The charger will continue charging until it reaches the maximum chargeable voltage. For the Stromcore 85V battery, this portable charger will charge up to a maximum voltage of 89V.

- During charging, the Ammeter lights will illuminate, indicating that the charger is supplying maximum current.
- As the battery nears full charge, the Ammeter lights will gradually turn off, signalling that the charging process is complete.

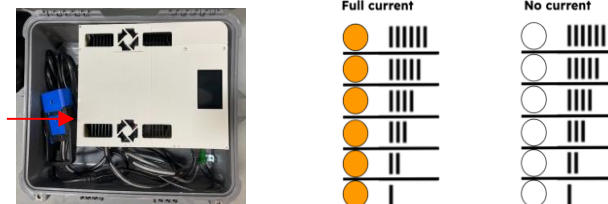


Figure 3: Ammeter Lights

#### 5) Indicator Light Status and Troubleshooting

The charger includes indicator lights that provide important status and fault diagnostics.

- Flashes Two Times, Then a Pause:
  - This indicates that the charge pilot has been disconnected, which may occur due to:
    - Physical disconnection of the charge port.
    - Battery reaching full charge and terminating the charging session.
- Flashes Six Times, Then a Pause:
  - This indicates an internal charger fault. To resolve this:
    - Reset the charger by disconnecting the AC power for 30 seconds.
    - If the issue persists, return the charger to a qualified service depot for further inspection and repair.

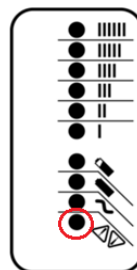


Figure 4: Status Light