PRO Charging Systems

EAGLE PERFORMANCE SERIES CHARGERS

Rev: 030922

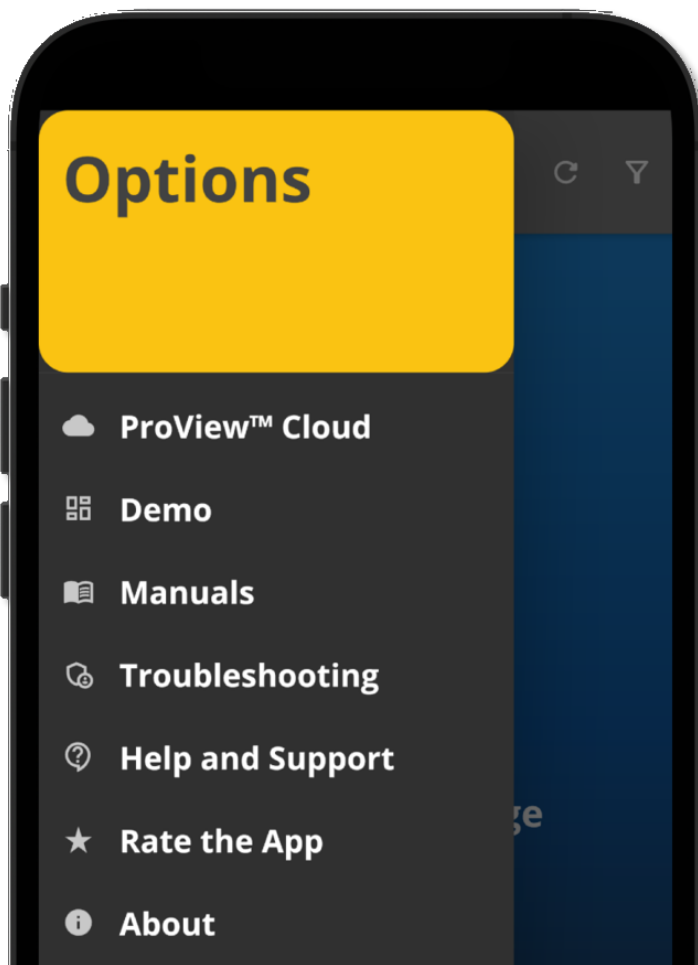## Quick Start Guide to:

PROView™ LINK

Download on the App Store

Download from Google Play

PROVolt™
Intuitive Charging Technology

Manufactured in America
Since 1989

DUAL PRO®
Pro Quality   Pro Performance

PROVIEW LINK
DEVICE SCREEN

PROView™ LINK

PRO Charging Systems

The *Device Screen* is the first screen shown when opening PROView Link. This is where all nearby devices are shown.
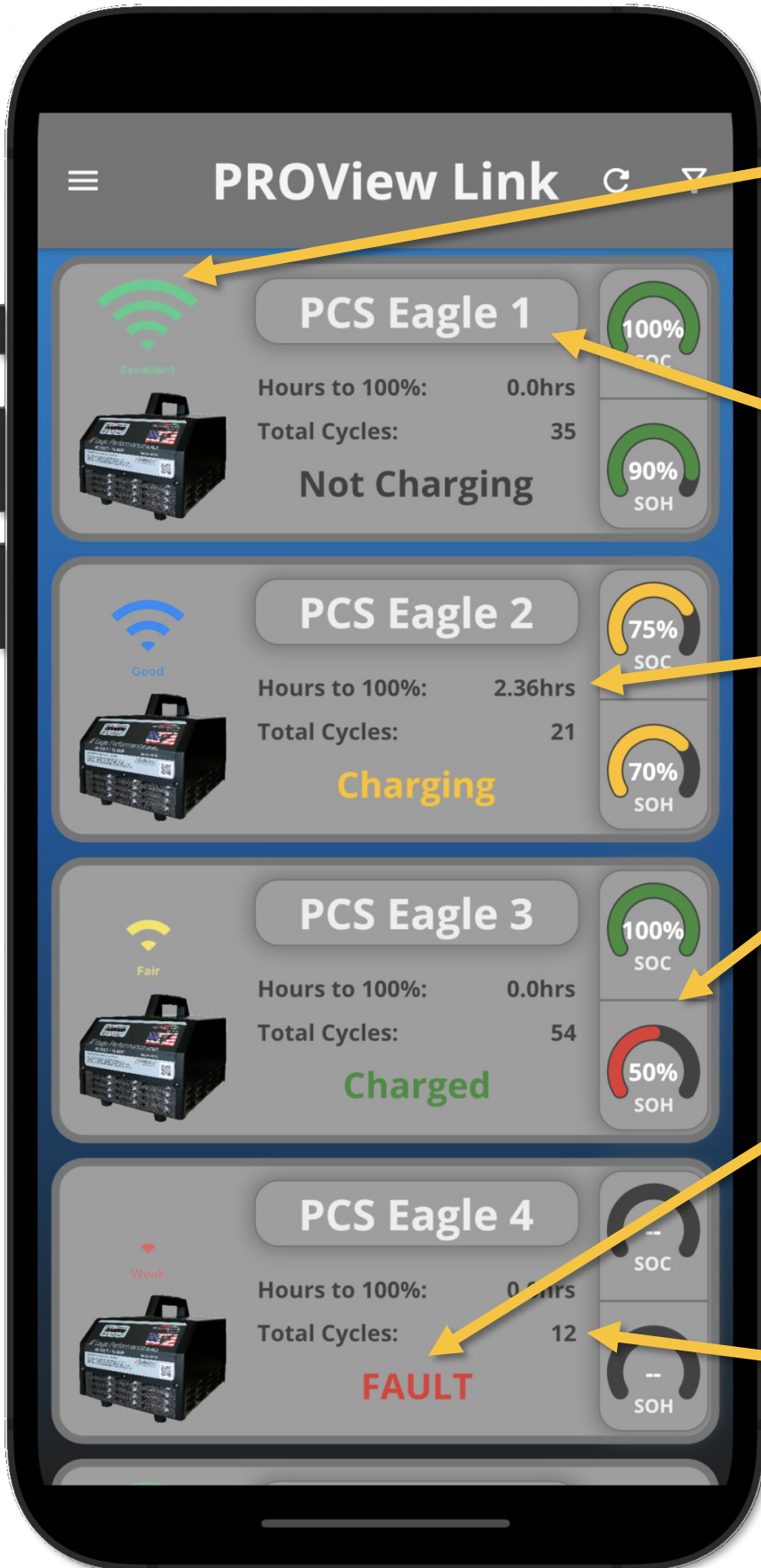

- The circular arrow on the top right will **Refresh** the page, showing newly available devices or remove devices that are now out of range.
- The **"Filter"** icon on the top right is where you can filter or sort the device by Name, State of Charge, State of Health, Signal Strength, etc.
- Additional ProView link resources can be found under the **Options** button in the top left of the screen.

Under the Options menu you will find:

- **PROView™ Cloud:** A link to the ProView Dashboard where equipment that have been set up with ProView Cloud devices can be remotely monitored.
- **Demo Mode:** An interactive version of ProView with examples of all compatible devices.
- **ProView Manuals:** All ProView device manuals can be found here.
- **Troubleshooting:** This links to our troubleshooting guide. Fill out this form and your information will be relayed back to the PCS Technical Support team to efficiently and effectively solve any issues in your system.
- **Help and Support:** This is where you will find our website, street address, phone number and email addresses of tech support and sales.

PROView Link

PCS Eagle 1

Excellent

Hours to 100%: 0.0hrs
Total Cycles: 35
Not Charging

100% SOC
90% SOH

PCS Eagle 2

Good

Hours to 100%: 2.36hrs
Total Cycles: 21
Charging

75% SOC
70% SOH

PCS Eagle 3

Fair

Hours to 100%: 0.0hrs
Total Cycles: 54
Charged

100% SOC
50% SOH

PCS Eagle 4

Weak

Hours to 100%: 0.0hrs
Total Cycles: 12
FAULT

-- SOC
-- SOH

Signal Strength: 4 degrees of signal strength (Excellent, Good, Fair, Weak), represent the and general proximity to the unit.
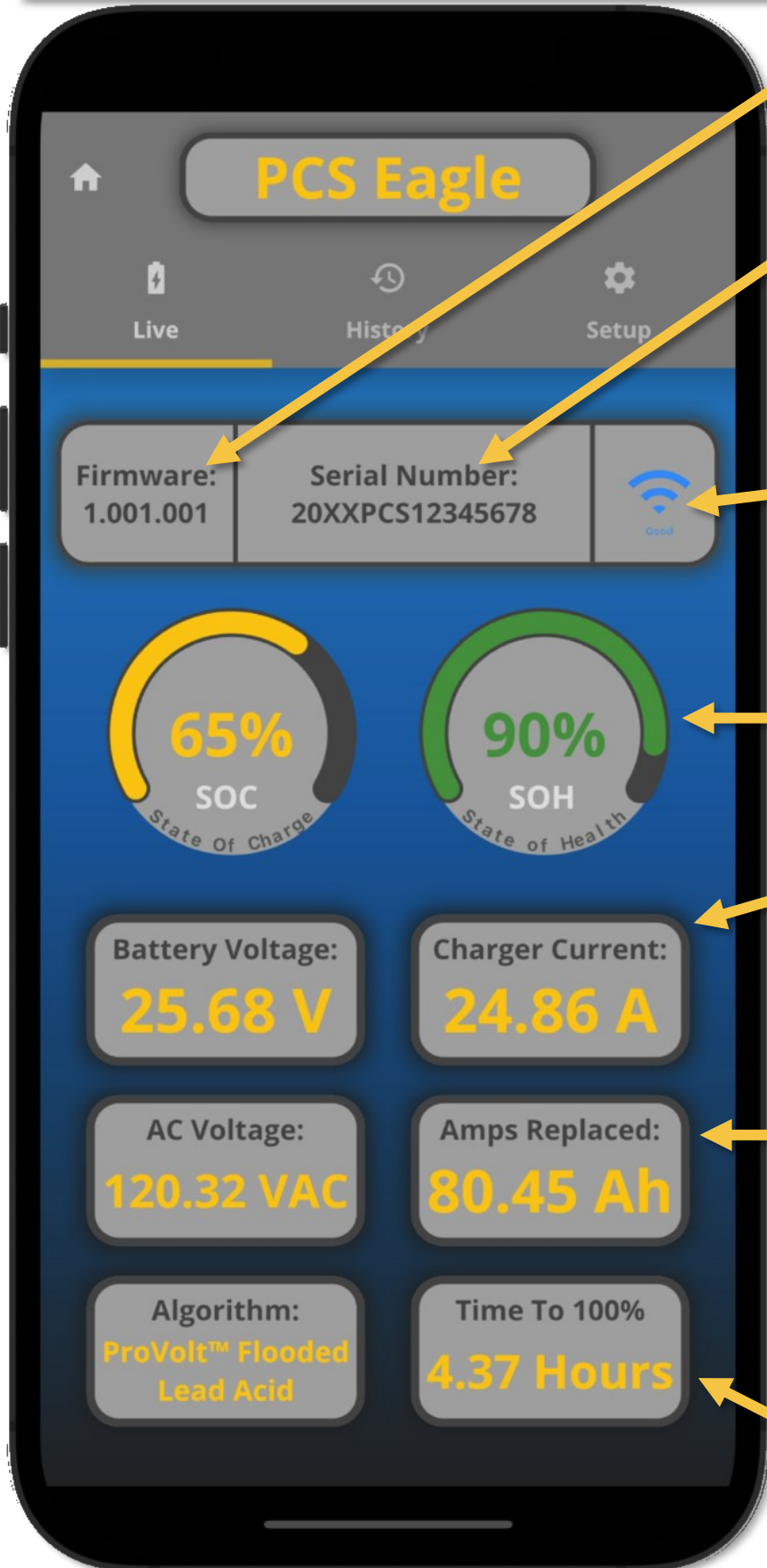
Unit Name: Customizable with-in the unit's Setup Tab. (pg. 5)

Hours to 100%: The estimated remaining charge time to 100%.

SoC & SoH: Current State of Charge and State of Health of the

Charging Status: (Not Charging, Charging, Charged, Fault) the specific profile stage or fault can be found once connected to the charger.

Total Cycles: Number of charge cycles over the lifetime of the unit.

PCS Eagle

Live | History | Setup

Firmware:
1.001.001

Serial Number:
20XXPCS12345678

Good

65%
SOC
State Of Charge

90%
SOH
State of Health

Battery Voltage:
25.68 V

Charger Current:
24.86 A

AC Voltage:
120.32 VAC

Amps Replaced:
80.45 Ah

Algorithm:
ProVolt™ Flooded Lead Acid

Time To 100%
4.37 Hours

Firmware: Current firmware version of the unit.

Serial Number: Serial number of the unit. If unit is set up for PROView™ Cloud, the Rental Information will be shown here. (pg. 6)
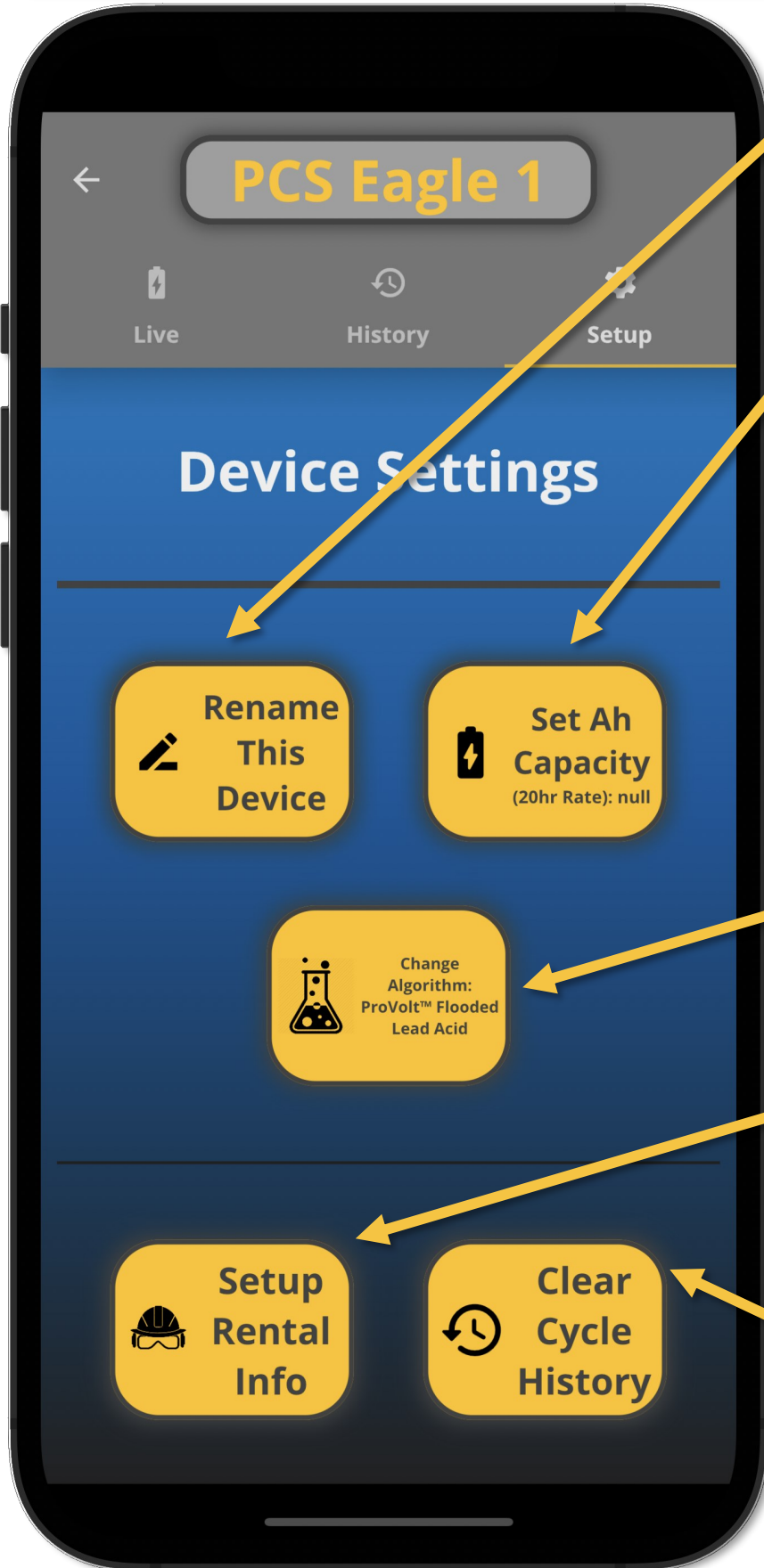
Signal Strength: 4 degrees of signal strength (Excellent, Good, Fair, Weak), represent proximity to the unit.

SoC & SoH: Current State of Charge and State of Health of the battery pack.

Battery Voltage & Charger Current: Live voltage of the battery pack and live output current of the charger.

AC Voltage & Amps Replaced: Live AC voltage seen by the charger and total capacity replaced in the battery pack for current cycle.

Algorithm & Time to 100%: Current algorithm setting of the charger and estimated time remaining until 100% State of Charge.

← **PCS Eagle 1**

🔋 **Live**　　🕓 **History**　　⚙️ **Setup**

Device Settings

Rename This Device: Allows renaming of the unit up to (11) characters. Name locking is also available (pg. 6).

Set Ah Capacity:
- Enter in the total capacity of the battery pack to be charged.

For Flooded/AGM: Use advertised 20hr capacity rating.
For Lithium: Use manufacturer's advertised capacity rating.

✎ **Rename This Device**

🔋 **Set Ah Capacity**
(20hr Rate): null

🧪 **Change Algorithm: ProVoltᵀᴹ Flooded Lead Acid**

Change Algorithm: The PCS Eagle Performance Series has the ability to change charging algorithms through the ProView Link App. (pg. 6)

Setup Rental Info: ProView Cloud capable units have the ability to store additional info about the piece of equipment they are on. (pg. 7)

⛑️ **Setup Rental Info**

🕓 **Clear Cycle History**

Clear Cycle History: If a unit is placed on a different piece of equipment or the battery pack on the equipment has changed, the unit's cycle history can be cleared.

Charger Algorithm

Select Algorithm:

- ✓ ProVolt™ Flooded LA
- x ProVolt™ AGM
- x Other

Cancel Set

Charger Algorithm:

- The PROVolt™ Flooded Lead Acid and AGM are designed to work with the majority of batteries on the market.
- If your battery requires a specific algorithm or you are unsure which algorithm to choose, please tap the "Other" button and follow the steps to select a battery chemistry and algorithm designed for your battery.

Enter Amp Hour

Enter the total Ah capacity (20hr Rating)

Enter Ah

Cancel Set

Enter Amp Hour:

- Amp hour capacity allows for more accurate State of Charge, refined charge profiles, and State of Health calculations.
- **Total capacity of the entire battery pack should be entered.**
- Enter **20hr** rating for **Flooded/AGM** batteries.
- Enter rated capacity from manufacturer for **Lithium** applications.

Change Device Name

Enter New Name

0/11

☐ Lock Name

Cancel Set

Change Device Name:

- The unit name can be customized up to 11 characters and can be locked by user.
- Enter last 4 digits of the Serial Number to unlock the name.

Rental Setup

Asset ID:

Asset ID

0/11

Amp Hour Capacity (20hr):

Battery Ah (20hr Rating)

Group Code(Optional):

Group Code (Optional)

0/18

Description(Optional):

Description (Optional)

0/27

Cancel   Set

Rental Setup:
- **Asset ID, Amp Hour Capacity, & Description must be entered to complete rental setup.**
- Asset ID will replace the current name of the unit.
- *Asset ID, Group Code, and Description can be set at user discretion to uniquely identify the piece of equipment through the PROView Cloud Dashboard.*

Clear Device History

Are you sure you want to clear the device cycle history?
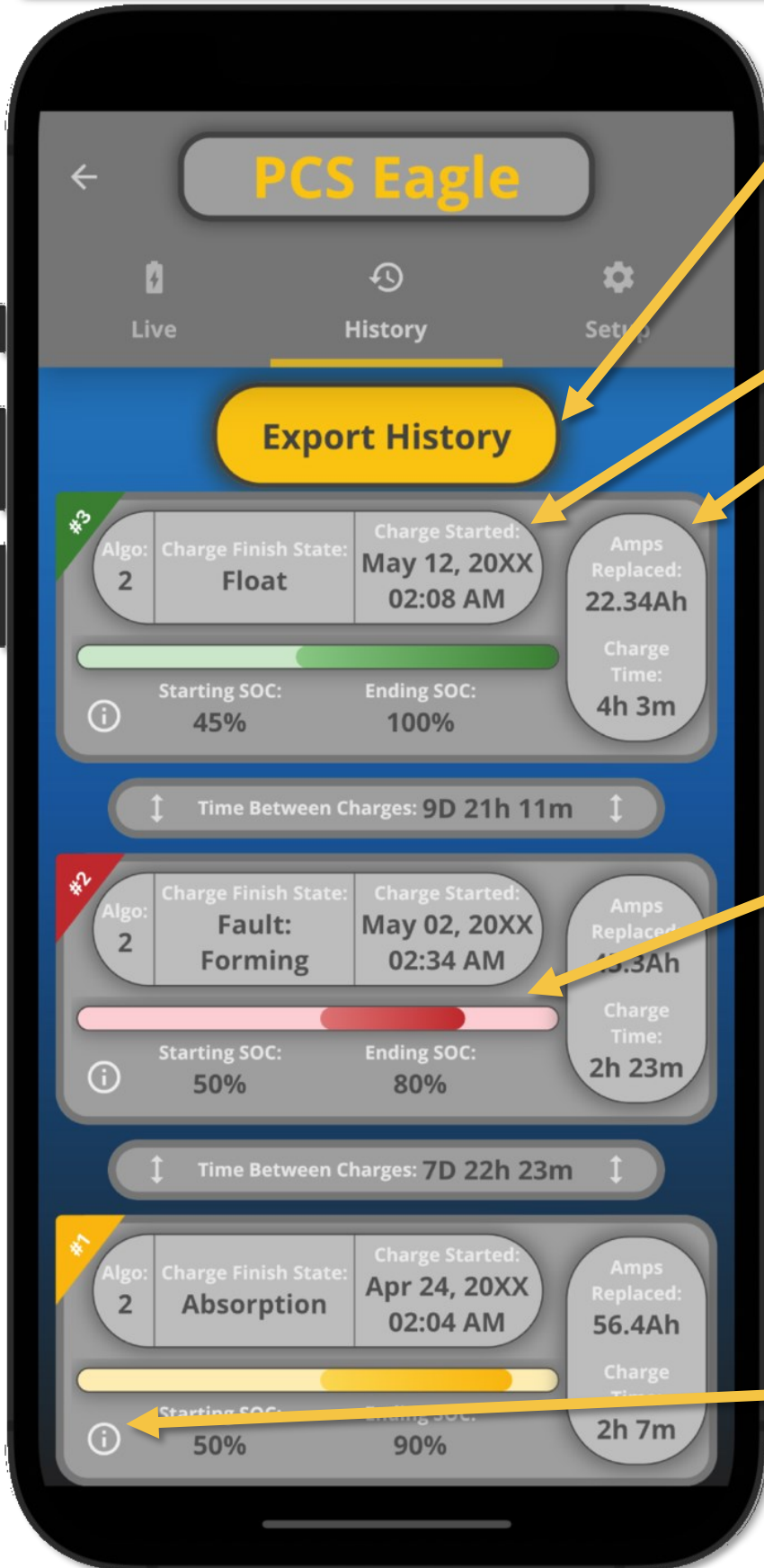
This action cannot be undone

Cancel   Confirm

Clear Device History:
- Clearing the charger's cycle history cannot be undone.
- When changing the equipment that the charger is attached to, or installing new batteries, the cycle history can be cleared to provide accurate State of Health and charge history for that battery pack.

PROVIEW LINK
HISTORY TAB

PROView™ LINK

PRO Charging Systems

PCS Eagle

Live | History | Setup

Export History

#3

| Algo: 2 | Charge Finish State: Float | Charge Started: May 12, 20XX 02:08 AM | Amps Replaced: 22.34Ah |
| | Starting SOC: 45% | Ending SOC: 100% | Charge Time: 4h 3m |

↕ Time Between Charges: 9D 21h 11m ↕

#2

| Algo: 2 | Charge Finish State: Fault: Forming | Charge Started: May 02, 20XX 02:34 AM | Amps Replaced: 45.3Ah |
| | Starting SOC: 50% | Ending SOC: 80% | Charge Time: 2h 23m |

↕ Time Between Charges: 7D 22h 23m ↕

#1

| Algo: 2 | Charge Finish State: Absorption | Charge Started: Apr 24, 20XX 02:04 AM | Amps Replaced: 56.4Ah |
| | Starting SOC: 50% | Ending SOC: 90% | Charge Time: 2h 7m |

Export History:
Email charger history in Excel spreadsheet format.

Charge Result:
Each charge cycle will have statistics on how that charge went...
- Algorithm Setting
- Stage of Profile When Charge Cycle Ended (Fault, Power Removed, Proper Termination in Float)
- Time the Charge Cycle Started
- Capacity Replaced During Charge
- Total Duration of Charge Cycle

State of Charge Bar:
- A color coded State of Charge bar is shown for every cycle.
- Gather charging habits at a glance.
- **Green** = Termination in Float
- **Yellow** = Power Removed Prematurely
- **Red** = Charge Ended in Fault

Charge Cycle Details:
Tap the "Info" button on the bottom left of charge cycle to see even more detail.
(See next page)

History Details

Cycle Number: 2

Charge Started:	May 02, 20XX 02:34 AM
Amps Replaced:	45.3 Ah
Charge Time:	2h 23m
Algorithm:	ProVolt™ Flooded Lead Acid
Battery Ah Setting:	0 Ah
Finish Stage:	Fault: Forming Timeout
Starting Voltage:	25.13 V
Starting SOC:	50%
Ending SOC:	80%
Cycle SOH:	85%
Firmware Version:	001.009.004

Cycle ID:
AACT60d7HV120d89LV119d46BG

Done

History Cycle Details:
Further cycle information is seen once the "Info" button is hit...

- Full Algorithm Name

- Starting Voltage of Charge Cycle

- Firmware Version charger ran for that cycle.