Best Practice: Opportunity Charging

Explanation of Center Button Lights:

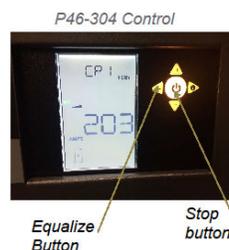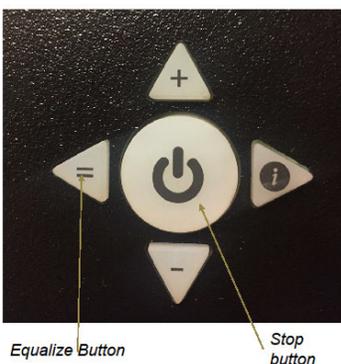**Flashing Green**; Ready for battery to be connected.

Flashing Amber: Battery connected and charging.

Solid Amber – Not Flashing: Battery Connected.   Battery 80% state of charge - waiting for set time to come back on. This is NORMAL OPERATION.

Solid Green – not flashing: Battery connected, charge complete 100%

Solid Red: Abnormal Charge detected. May be charger or battery related.

1. Plug battery into the charger at every opportunity. Breaks, lunch, between shifts , end of day. Even if only 5 minutes of charge time is available. The charger will not overcharge the battery. Charger will start automatically as long as battery state of charge is below 80% and battery temperature is in acceptable range. * (If Battery is equipped with TOBi PI Battery Monitor).

2. In Opportunity mode. Charger will be on until the battery voltage reaches 80% state of charge and will then turn off. Indicator light will go from flashing amber to solid amber. Charger will turn back on to finish charge at set time of day. (Application specific). At set time, status light will flash amber indicating charging until battery charge complete and then turn solid green.

3. **VERY IMPORTANT!.** Push the stop button (center button) to turn off charger BEFORE disconnecting from battery (if charging).

Equalize Button
Stop button

P46-304 Control
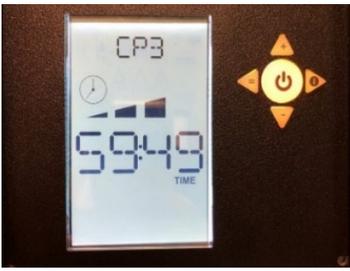
Equalize Button
Stop button

4. Plug in Battery at every end of shift and end of week.
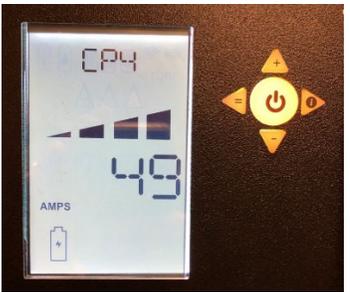5. Do not water battery before placing battery on charge!

CP1= First phase of charge cycle. **Flashing** amber light. Will show DCA output to battery . Press i button for DCV of battery.

CP2 = charge phase 2**. Flashing** Amber light. Holding voltage while current drops to shutoff point.

CP3 = charge phase 3 – **SOLID** amber light- NO Flashing.   Clock Icon and timer counting DOWN hours and minutes until charger comes back on to finish the charge.

CP4 = charge phase 4**. Flashing** Amber Light. Charger is in finish phase of charge cycle.   Will show DCA output to battery . Press i button for DCV of battery

SOLID GREEN Light= Charge complete. 4 "bars" and filled in battery Icon

EQU = Battery is in the equalize mode – Amber Light is **flashing** and the DCA/ DCV is displayed . Battery Icon with = sign in it shows.