

# POWER PRO

## FERRORESONANT BATTERY CHARGERS

The Power Pro charger is fully automatic, available in both single and three phase with three power ratings and provides line and load regulation for battery protection. It features four bright LED lights for easy identification of charging status, two manual push buttons for Equalize and Stop, back-up timers and AC fail recovery. The Power Pro is available in 100%, 80% and 60% output ratings.

- Automatic Equalize
- Back up timers for additional battery protection
- AC fail recovery
- 10-year transformer and diode warranty
- Three output ratings: 100%, 80% or 60%
- UL and cUL listed and meets BCI standards



## Maximum Performance

- The power conversion circuitry is designed to maximize battery life with its constantly tapering charge, automatically regulated by the “on charge” battery voltage. The output current of the charger is determined by the state of discharge of the battery. The battery is precisely charged based on its depth of discharge.
- Service 6, 12, 18, 24 or optional cell sizes by easily selecting the cell size that matches the charger through the cell selector switches located on the PC board. The charger has the ability to reject batteries that do not match the charger, which provides additional protection for the battery.
- When the battery is connected to the charger, Power Pro control will provide a five-second delay to check for proper connection before it automatically begins the charging operation. Once charging is complete, it will automatically terminate the operation and the “Charge Complete” LED will illuminate.
- Automatically provides an equalize charge of three hours beyond the normal charge on every fifth cycle. Pressing the “Equalize” key at any time during an equalize charge cycle will deselect the equalize function for that cycle. When the automatic equalize function is selected, the manual push-button is disabled to prevent unnecessary equalize charges.
- If the battery and charger are left connected for 72 hours after the initial completed charge, the charger will provide a refresh charge to ensure a fully charged battery when needed.
- Equipped with two back-up timers for additional battery protection. These timers terminate the charge if the battery is not 80% charged in 10 hours or if the charge is not completed within 5 hours of reaching 80% charged.

## Benefits

- Utilizes a patented charge termination technique, DV/DT or rate of change of battery voltage with respect to time, with proportional time (PT) to determine when to terminate a charge cycle. The length of time it takes the battery to reach the 80% charged point determines the sampling rate. This termination method ensures a precise charge every time, never under or over charging. Used in conjunction with the tapered curve of ferroresonant chargers ensures the rate of change for both battery voltage and current always provides an efficient and accurate termination of charge.
- Designed to resume charge cycle at the point it stopped if there is an AC Power interruption.
- UL and cUL listed.
- Minimize repair costs with our 10-year original purchaser warranty on power transformers and diodes and 1-year on all other components.



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