

ECLIPSE II / ECLIPSE II PLUS

CONVENTIONAL BATTERY CHARGER /
OPPORTUNITY, CONVENTIONAL OR
FAST BATTERY CHARGER

HIGH FREQUENCY

The Eclipse II and Eclipse II Plus use advanced IGBT high frequency power conversion circuitry to provide efficient, dependable service in one of the most compact packages available on the market. The Eclipse II is a conventional charger that is designed to recharge any 100% discharged flooded lead-acid battery within the charger's rated capacity of 8 hours or less. The Eclipse II Plus provides reliable service in opportunity, conventional and fast mode for when you need your battery as soon as possible. The opportunity function will sustain a battery between 30% and 80% state of charge via short, opportunistic charges and is able to fully charge your battery in 6 hours or less. Conventional mode recharges any 100% drained lead-acid battery within the charger's rated capacity, flooded or sealed, in 8 hours or less.

- High efficiency: 93% converting AC to usable DC power
- High power factor of .95 minimizes AC amp draw and helps reduce installation costs
- 5-year full warranty
- Available in 480 VAC only and 480/600 VAC
- Charge cycle data saved and easily accessible for review
- UL and cUL listed



ECLIPSE II



INSIDE VIEW¹



SIDE VIEW
Side panel is removable for easy access to components

EC2000 Control

4 bright LED's for Charger Status Indicators

Easy to read backlit LCD display features 40 characters



Sealed Membrane Keypad

Equalize Operation

Charger shipped with Automatic Equalize enabled to ensure batteries routinely receive an equalize charge of 3 hours beyond the normal charger termination. Auto Equalize can be set for one of two options, Number of Cycles or Day of Week. When automatic is selected, the equalize button on the keyboard is disabled to prevent unnecessary charges.

Battery cool down can increase battery efficiency and life, you can program for cool down once recharge is complete.

Utilize programmable start modes to enhance energy saving

- Delayed and Time-of-Day Modes- Allows you to charge during off-peak hours to yield up to 50% energy savings
- Time-of-Day Block-Out Mode- Block out a period of charging time on one or more chargers

ECLIPSE II PLUS



INSIDE VIEW¹



SIDE VIEW
Side panel is removable for easy access to components

¹Charger features may vary based on your needs - please contact us.

Maximum Performance

- Designed to hold the finish voltage rate to within $\pm 1\%$ and the finish current to within $\pm 2\%$ over a wide range of line voltage variations.
- Collects and saves 21 items of charge cycle information for the last 500 cycles. The information can be reviewed manually from the front panel or downloaded wirelessly using the InsightPC system.
- InsightPC is a compatible fleet management system that gives you the opportunity to monitor battery usage and identify potential hinderances before they become problems causing downtime. Data collected from the charger is transferred utilizing our proprietary wireless network with a powerful transceiver. Typical range is 1,500 feet in a normal operating environment and with communication between chargers, the range doubles to a 3,000 foot radius.
- The chargers may be enhanced through a Battery Identification Device (BID), which is programmed with battery information including rated AH capacity, rated voltage and battery type. Batteries equipped with a BID is automatically recognized by the charger, allowing the charger to charge at the proper voltage and current levels automatically, eliminating manual charger settings. A BID can also help you track equalization and control the cycles.
- Operating Modes:
 - Multi-cell: Automatically matches output voltage to battery
 - Fixed-cell: Set for specific battery voltage, rejects others

- BID Mode: Information programmed in BID determines charger operation
- Timer Start: Operated as a manual timer for maintenance and shop charging
- Back-up timers protect your batteries from overcharging by shutting the charger off if the battery:
 - Does not reach 80% charged in 9 hours (conventional) or 6 hours (opportunity)
 - Does not reach charge complete within 4 hours of reaching the 80% charged point
 - If the ampere hours returned exceed the rated ampere hour capacity by 125% (150% on equalize cycles)

Benefits

- Charge all battery types, flooded lead-acid, gel cell, lithium and AGM with just a few keypad entries to change the programming. In addition to pre-programmed charging algorithms, there is a programmable custom curve available for special applications or future battery development.
- Minimize repair costs with our 5-year full warranty.²
- All case styles can be wall, bench or floor mounted and all cases are stackable to save floor space. The cabinet is designed to provide direct access to the AC power connection points and conveniently facilitates any required service.

²Five-year full warranty not valid on Eclipse II Extreme (not featured in brochure). Eclipse II Extreme has a three-year full warranty.

WORLD HEADQUARTERS

66 Industry Court
Suite F
Troy, OH 45373
Toll Free: +1-800-367-2002
Fax: +1-800-654-4024

WEBSITE

www.prestolitepower.com

EMAIL

prestolite.sales@ametek.com



AMETEK[®]
PRESTOLITE POWER

REV 04/2020