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ECLIPSE II LITHIUM

ABILITY TO CHARGE ALL BATTERY TYPES
OPPORTUNITY, CONVENTIONAL OR
FAST BATTERY CHARGER

HIGH FREQUENCY

AMETEK Prestolite Power is expanding our trusted Eclipse II chargers to include an option that is lithium-ion ready. The Eclipse II Lithium is specially designed to provide fast, safe and efficient charging for lithium-ion technology batteries. The Eclipse Lithium utilizes CAN network communication, allowing performance critical data to be constantly monitored and communicated between the Battery Monitoring System and our charger.

- Ability to charge all battery types: Lithium, Flooded Lead-Acid, Gel Cell, AGM
- Manufactured in the USA
- High efficiency: 93% converting AC to usable DC power
- 5-year full warranty¹
- UL and cUL listed



AMETEK[®]

PRESTOLITE POWER

CHARGING THE MOTIVE POWER
INDUSTRY FOR OVER 100 YEARS

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.
- Utilizes CAN network communication to constantly monitor and communicate performance critical data between the Battery Monitoring System and Eclipse II Lithium.
- 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

- The Eclipse II Lithium is able to charge all battery types, not just lithium. With a few keypad entries to change the programming, you can charge flooded lead-acid, gel cell, lithium and AGM batteries. In addition to pre-programmed charging algorithms, there is a programmable custom curve available for special applications or future battery development.
- The Lithium Eclipse II's hybrid design enables it to be the perfect charger for opportunity, conventional or fast charging applications.
- The Eclipse II Lithium utilizes our trusted Eclipse II design and technology, which enables us to offer our 5-year full warranty¹ and minimizes repair costs for you.
- We offer an extensive dealer network to help you through every step of purchase and ownership. Our network includes 70 sales offices across North America, more than 200 sales personnel and 400 service technicians.
- 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.
- Manufactured in the USA
- UL and cUL listed

BENEFITS OF SWITCHING TO LITHIUM-ION BATTERIES:		Model Number	DC Output
1	On-demand power	800EC3-12SPC	200
2	Long cycle life	1050EC3F-12SPC	263
3	High energy density	900EC3-18SPC	225
4	Rapid recharge	1200EC3F-18SPC	400
5	Maintenance free	1680EC3-18DPC	420
		900EC3F-24SPC	225
		1260EC3-24DPC	315
		1175EC3-24TEC ¹	470
		750EC3-40DPC	188
		880EC3-40DPC	220

¹Five-year warranty not valid on Model Number 1175EC3-24TEC. This model utilizes our trusted Eclipse II Extreme charger, and will have the Extreme's three-year full warranty.

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