

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
- 3-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



AMETEK[®]
PRESTOLITE POWER
CHARGING THE MOTIVE POWER
INDUSTRY FOR OVER 100 YEARS

ECLIPSE II



INSIDE VIEW¹

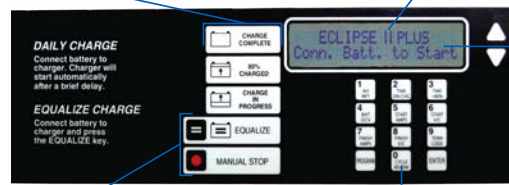


SIDE VIEW
Side panel is removable for easy access to components

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

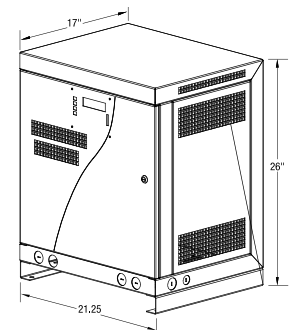
- Charge all battery types, flooded lead-acid, gel cell, lithium and AGM with just a few keypad entries to change the programming. In addition to pre-programmed charging algorithms, there is a programmable custom curve available for special applications or future battery development.
- Minimize repair costs with our 3-year full warranty.
- 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.

ECLIPSE II 480 VAC ONLY MODELS								
Number of Battery Cells	Model Number	Battery Amp-Hour Capacity for 8 Hours	DC Output Amps	Phase	AC Input Amps at 480 VAC 60 Hz-3 ph	Approximate Weight		
						lb	kg	
Three Phase 100%								
6, 9, 12	500EC3-12S	500	82	3	3.3	101	46	
6, 9, 12	600EC3-12S	600	98	3	3.9	101	46	
6, 9, 12	800EC3-12S	800	130	3	5.2	106	48	
6, 9, 12	925EC3-12S	925	151	3	6.0	106	48	
6, 9, 12	1050EC3-12S	1,050	171	3	6.9	106	48	
6, 9, 12, 18	600EC3-18S	600	98	3	5.9	101	46	
6, 9, 12, 18	800EC3-18S	800	130	3	7.8	106	48	
6, 9, 12, 18	925EC3-18S	925	151	3	9.1	106	48	
6, 9, 12, 18	1050EC3-18S	1,050	171	3	10.3	106	48	
6, 9, 12, 18	1200EC3-18S	1,200	196	3	11.8	110	50	
6, 9, 12, 18	1400EC3-18S	1,400	228	3	13.7	110	50	
6, 9, 12, 18	1600EC3F-18S ¹	1,600	261	3	15.7	110	50	
6, 9, 12, 18, 24	500EC3-24S	500	82	3	6.5	101	46	
6, 9, 12, 18, 24	600EC3-24S	600	98	3	7.8	101	46	
6, 9, 12, 18, 24	800EC3-24S	800	130	3	10.4	106	48	
6, 9, 12, 18, 24	925EC3-24S	925	151	3	12.1	106	48	
6, 9, 12, 18, 24	1050EC3-24S	1,050	171	3	13.7	106	48	
6, 9, 12, 18, 24	1200EC3F-24S ¹	1,200	196	3	15.7	130	59	
6, 9, 12, 18, 24	1400EC3F-24S ¹	1,400	228	3	18.3	130	59	
6, 9, 12, 18, 24	1600EC3-24D	1,600	261	3	20.9	134	61	
6, 9, 12, 18, 24, 36, 40 ²	375EC3-40S	375	61	3	8.2	98	44	
6, 9, 12, 18, 24, 36, 40 ²	500EC3-40S	500	82	3	10.9	101	46	
6, 9, 12, 18, 24, 36, 40 ²	600EC3-40S	600	98	3	13.1	101	46	
6, 9, 12, 18, 24, 36, 40 ²	800EC3F-40S ¹	800	130	3	17.4	130	59	
6, 9, 12, 18, 24, 36, 40 ²	925EC3-40D	925	151	3	20.1	130	59	
6, 9, 12, 18, 24, 36, 40 ²	1150EC3-40D	1,150	187	3	25.0	134	61	

ECLIPSE II 480/600 VAC MODELS								
Number of Battery Cells	Model Number	Battery Amp-Hour Capacity for 8 Hours	DC Output Amps	Phase	AC Input Amps at 480 VAC 60 Hz-3 ph	AC Input Amps at 600 VAC 60 Hz-3 ph	Approximate Weight	
							lb	kg
Three Phase 100%								
6, 9, 12	500EC3-12SC	500	82	3	3.3	2.6	101	46
6, 9, 12	600EC3-12SC	600	98	3	3.9	3.1	101	46
6, 9, 12	800EC3-12SC	800	130	3	5.2	4.2	106	48
6, 9, 12	925EC3-12SC	925	151	3	6.0	4.8	106	48
6, 9, 12	1050EC3-12SC	1,050	171	3	6.9	5.5	106	48
6, 9, 12, 18	600EC3-18SC	600	98	3	5.9	4.8	101	46
6, 9, 12, 18	800EC3-18SC	800	130	3	7.8	6.2	106	48
6, 9, 12, 18	925EC3-18SC	925	151	3	9.1	7.3	106	48
6, 9, 12, 18	1050EC3-18SC	1,050	171	3	10.3	8.2	106	48
6, 9, 12, 18	1200EC3-18SC	1,200	196	3	11.8	9.4	110	50
6, 9, 12, 18	1400EC3-18SC	1,400	228	3	13.7	11.0	110	50
6, 9, 12, 18	1600EC3F-18SC ¹	1,600	261	3	15.7	12.6	110	50
6, 9, 12, 18, 24	500EC3-24SC	500	82	3	6.5	5.2	101	46
6, 9, 12, 18, 24	600EC3-24SC	600	98	3	7.8	6.2	101	46
6, 9, 12, 18, 24	800EC3-24SC	800	130	3	10.4	8.3	106	48
6, 9, 12, 18, 24	925EC3-24SC	925	151	3	12.1	9.7	106	48
6, 9, 12, 18, 24	1050EC3-24SC	1,050	171	3	13.7	11.0	106	48
6, 9, 12, 18, 24	1200EC3F-24SC ¹	1,200	196	3	15.7	12.6	130	59
6, 9, 12, 18, 24	1400EC3F-24SC ¹	1,400	228	3	18.3	14.6	130	59
6, 9, 12, 18, 24	1600EC3-24DC	1,600	261	3	20.9	16.7	134	61
6, 9, 12, 18, 24, 36, 40 ²	375EC3-40SC	375	61	3	8.2	6.6	98	44
6, 9, 12, 18, 24, 36, 40 ²	500EC3-40SC	500	82	3	10.9	8.7	101	46
6, 9, 12, 18, 24, 36, 40 ²	600EC3-40SC	600	98	3	13.1	10.5	101	46
6, 9, 12, 18, 24, 36, 40 ²	800EC3F-40SC ¹	800	130	3	17.4	13.9	130	59
6, 9, 12, 18, 24, 36, 40 ²	925EC3-40DC	925	151	3	20.1	16.1	130	59
6, 9, 12, 18, 24, 36, 40 ²	1150EC3-40DC	1,150	187	3	25.0	20.0	134	61

¹ Models with "F" come equipped with additional fan assembly on higher current, single engine units.

² Control does not auto select between 36 and 40 cell.



ECLIPSE II PLUS 480 VAC ONLY MODELS

Number of Battery Cells	Model Number	Battery Amp-Hour Capacity for 8 Hours	DC Output Amps	Phase	AC Input Amps at 480 VAC 60 Hz-3 ph	Approximate Weight	
						lb	kg
Three Phase 100%							
6, 9, 12	550EC3-12SP	550	138	3	5.5	106	48
6, 9, 12	680EC3-12SP	680	170	3	6.8	106	48
6, 9, 12	800EC3-12SP	800	200	3	8.0	110	50
6, 9, 12	900EC3-12SP	900	225	3	9.0	110	50
6, 9, 12	1050EC3F-12SP ⁵	1,050	263	3	10.5	110	50
6, 9, 12, 18	550EC3-18SP	550	138	3	8.3	106	48
6, 9, 12, 18	680EC3-18SP	680	170	3	10.2	106	48
6, 9, 12, 18	800EC3-18SP	800	200	3	12.0	110	50
6, 9, 12, 18	900EC3-18SP	900	225	3	13.5	110	50
6, 9, 12, 18	1050EC3F-18SP ⁵	1,050	263	3	15.8	110	50
6, 9, 12, 18	1200EC3F-18SP ⁵	1,200	300	3	18.0	110	50
6, 9, 12, 18	1360EC3-18DP	1,360	340	3	20.4	134	61
6, 9, 12, 18	1680EC3-18DP ²	1,680	420	3	25.2	154	70
6, 9, 12, 18, 24	550EC3-24SP	550	138	3	11.0	106	48
6, 9, 12, 18, 24	680EC3-24SP	680	170	3	13.6	106	48
6, 9, 12, 18, 24	800EC3F-24SP ⁵	800	200	3	16.0	110	50
6, 9, 12, 18, 24	900EC3F-24SP ⁵	900	225	3	18.0	110	50
6, 9, 12, 18, 24	1050EC3-24DP	1,050	263	3	21.0	134	61
6, 9, 12, 18, 24	1200EC3-24DP	1,200	300	3	24.0	134	61
6, 9, 12, 18, 24	1260EC3-24DP	1,260	315	3	25.2	140	64
6, 9, 12, 18, 24, 36, 40 ¹	375EC3-40SP	375	94	3	12.5	101	46
6, 9, 12, 18, 24, 36, 40 ¹	550EC4F-40SP ⁵	550	138	3	18.4	130	59
6, 9, 12, 18, 24, 36, 40 ¹	680EC3-40DP	680	170	3	22.7	134	61
6, 9, 12, 18, 24, 36, 40 ¹	750EC3-40DP	750	188	3	25.0	140	64

ECLIPSE II PLUS 480/600 VAC MODELS

Number of Battery Cells	Model Number	Battery Amp-Hour Capacity for 8 Hours	DC Output Amps	Phase	AC Input Amps at 480 VAC 60 Hz-3 ph	AC Input Amps at 600 VAC 60 HZ-3 ph	Approximate Weight	
							lb	kg
Three Phase 100%								
6, 9, 12	550EC3-12SPC	550	138	3	5.5	4.4	106	48
6, 9, 12	680EC3-12SPC	680	170	3	6.8	5.5	106	48
6, 9, 12	800EC3-12SPC	800	200	3	8.0	6.4	110	50
6, 9, 12	900EC3-12SPC	900	225	3	9.0	7.3	110	50
6, 9, 12	1050EC3F-12SPC ²	1,050	263	3	10.5	8.2	110	50
6, 9, 12, 18	550EC3-18SPC	550	138	3	8.3	6.6	106	48
6, 9, 12, 18	680EC3-18SPC	680	170	3	10.2	8.2	106	48
6, 9, 12, 18	800EC3-18SPC	800	200	3	12.0	9.7	110	50
6, 9, 12, 18	900EC3-18SPC	900	225	3	13.5	10.8	110	50
6, 9, 12, 18	1050EC3F-18SPC ³	1,050	263	3	15.8	12.6	110	50
6, 9, 12, 18	1200EC3F-18SPC ³	1,200	300	3	18.0	14.4	110	50
6, 9, 12, 18	1360EC3-18DPC	1,360	340	3	20.4	16.3	134	61
6, 9, 12, 18	1680EC3-18DPC ²	1,680	420	3	25.2	20.2	154	70
6, 9, 12, 18, 24	550EC3-24SPC	550	138	3	11.0	8.7	106	48
6, 9, 12, 18, 24	680EC3-24SPC	680	170	3	13.6	11.0	106	48
6, 9, 12, 18, 24	800EC3F-24SPC ³	800	200	3	16.0	12.8	110	50
6, 9, 12, 18, 24	900EC3F-24SPC ³	900	225	3	18.0	14.4	110	50
6, 9, 12, 18, 24	1050EC3-24DPC	1,050	263	3	21.0	16.8	134	61
6, 9, 12, 18, 24	1200EC3-24DPC	1,200	300	3	24.0	19.2	134	61
6, 9, 12, 18, 24	1260EC3-24DPC	1,260	315	3	25.2	20.2	140	64
6, 9, 12, 18, 24, 36, 40 ¹	375EC3-40SPC	375	94	3	12.5	10.0	101	46
6, 9, 12, 18, 24, 36, 40 ¹	550EC3-40DPC	550	138	3	18.4	14.7	110	50
6, 9, 12, 18, 24, 36, 40 ¹	680EC3-40DPC	680	170	3	22.7	18.2	134	61
6, 9, 12, 18, 24, 36, 40 ¹	750EC3-40DPC	750	188	3	25.0	20.0	140	64

¹ Control does not auto select between 36 and 40 cell.
² Arcless disconnect and dual cables REQUIRED.
³ Models with "F" come equipped with additional fan assembly on higher current, single engine units.



WORLD HEADQUARTERS

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