# Single & Three Phase Ferroresonant | Industrial Battery Chargers



## The Battery-Mate 80 is Quality Designed to Provide Efficent, Problem Free Charging Everytime

The Battery-Mate 80 is engineered for one and two shift operations. Manufactured to meet the most stringent requirements of industrial and distribution applications.

It is rated to recharge normally discharged batteries in 8 hours or less.

- Charges 80% discharged batteries in 8 hours or less
- Interchangeable control design
- Economically priced
- Fail-safe design
- Quality-built for years of trouble-free service
- Ten-year transformer & diode warranty
- UL and cUL listed and meets BCI standards



## BATTERY-MATERO For Dependable



## **Designed for Quality & Value**

The Battery-Mate 80 is an industrial-rated charger, value-designed and extensively engineered to furnish an efficient, problemfree charge each time a battery is connected. Sized and rated to charge 80% discharged batteries in 8 hours or less, the Battery-Mate 80 uses ferroresonant power conversion circuitry, which is virtually maintenance-free, to provide years of dependable service. The power conversion circuitry maximizes battery life by using a constantly tapering charge which is 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.

## Low Operating Cost

The Battery-Mate 80 is inherently efficient due to its ferroresonant circuitry, the most utilized method of charging lead acid batteries.

## Interchangeable Control Design

The Battery-Mate 80 is designed to allow the quick and easy installation or removal of the controls. Unmatched in the industry, this design allows controls to be interchanged in minutes for greater control, flexibility and automation of any battery charging operation.

## **Control Options**

Depending on your charging requirements, the Battery-Mate 80 can be controlled by any one of the following controls: AC1000 and AC2000.

## **Automatic Operation**

After the battery is connected, the Battery-Mate 80 will automatically start the charging operation. When the battery is fully charged, the charger will automatically terminate the operation.

## Single & Three Phase Service

The Battery-Mate 80 is available in a variety of single or three phase models. Each model provides multiple AC input voltages for increased flexibility of the charging operation.

## Easy to Change AC Input Voltage

AC input voltage change-overs take just minutes because of conveniently located taps and quick-connect jumpers.

## Adjustable DC Output

In rare instances where changes to the DC output might be required, necessary adjustments are made simple with conveniently located quick-connect jumpers.

#### Rating

The Battery–Mate 80 is rated to recharge a 80% discharged battery in its ampere–hour rating within eight hours.

## Regulation

The Battery-Mate 80 will hold the finish rate of the charge within  $\pm 1\%$ , even with line voltage variations as high as  $\pm 10\%$ . This protects, and properly charges the battery, even when severe input voltage variations exist.

## **Convection Cooled & Quiet**

The Battery-Mate 80 uses no fans to draw in dirty air and has low sound levels for quiet operation.

## Battery Charger Safeguards

The Battery-Mate 80 is internally protected against overload, short circuit, reverse polarity connection, voltage transients and other unsafe failure modes. These safeguards protect the charger and battery, assuring longer life for both.

## Warranty

Minimize repair costs with ten year original purchaser warranty on power transformers and silicon diodes, plus one year warranty on other components.

## Accessible Cabinet Design

The Battery-Mate 80 has been designed to conveniently facilitate charger adjustment and any necessary service or maintenance requirements. The front door opens to 180 degrees to provide easy access to all major components.

## Minimizes Floor Space

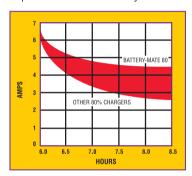
Because of its compact cabinet, the Battery-Mate 80 requires a minimum amount of floor space. All case styles can be wall, bench or floor mounted and all cases are stackable up to 3 high to save more floor space.

## UL, cUL and BCI

Most Battery-Mate 80 models are UL and cUL listed and meet BCI standards, adding further support to the "safety first" design.

## 100% Finish Rate

The Battery-Mate 80 is designed to provide a higher finish rate than other similarly rated 80% chargers. Because of the Battery-Mate 80's higher finish rate, batteries receive the precise recharge characteristics they require to maximize battery life.



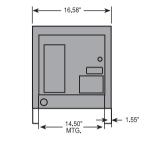
The above graph shows the last two hours of the charge cycle and illustrates the higher finish rate of the Battery-Mate 80. The output current of the Battery-Mate 80 at finish is 4.5 amps per 100A-H of the battery, compared to 2.6 amps for most other 80% chargers.

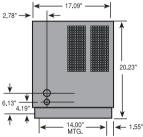
## Quality-Built for Years of Trouble-Free Service

The Battery-Mate 80, as with all our products, is engineered to meet the everyday challenges associated with charging batteries. Unmatched in construction, reliability and value, the Battery-Mate 80 is subject to intensive quality control and test procedures to ensure many years of trouble-free service.

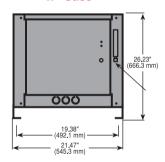
#### **Dimensions**

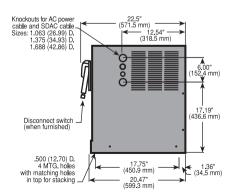
## "M" Case





#### "H" Case





## **Battery-Mate 80 Models**

Single Phase Models				Max AC Amps RMS						
Model #	Amp Hour	DC Volts	DC Amps	@120 VAC	@208 VAC	@240 VAC	@480 VAC	@575 VAC	Cabinet Size	Weight Lbs.
380M1-6C 450M1-6C 510M1-6C	380 450 510	12 12 12	65 77 87	10.8 12.9 13.6	6.2 7.4 7.9	5.4 6.4 6.8	2.7 3.2 3.4	2.2 2.7 4.9	M M M	95 105 110
600M1-6C 250M1-12C 380M1-12C 450M1-12C	600 250 380 450	12 24 24 24	102 43 65 77	13.1 21	7.5 12.1 13.8	8.9 6.6 10.5 12	4.4 3.3 5.3 6	3.7 2.7 4.4 5	M M M	115 105 110 120
510M1-12C 600M1-12C 750M1-12C	510 600 750	24 24 24	87 102 128		15.6 18.5 25.2	13.6 16.1 21.9	6.8 8.1 11	5.6 6.7 9.1	M M M	120 145 150
880M1-12C 965M1-12C 965H1-12C 510M1-18C	880 965 965 510	24 24 24 36	150 164 164 87		29.2 30.8 30.8 22.1	25.4 26.9 26.9 19.3	12.7 13.4 13.4 9.6	10.6 11.2 11.2 8	M M H	175 195 215 175
600M1-18C 750M1-18C 880H1-18C	600 750 880	36 36 36	102 128 150		28 35.6 42.2	24.4 31 36.6	12.2 15.5 18.3	10.1 12.9 15.3	M M H	180 190 290
965H1-18C 1050H1-18C 1275H1-18C 450M1-24C	965 1050 1275 450	36 36 36 48	164 179 216 77		44.3 45 N/A 25.7	38.4 37 50.6 22.4	19.2 19.5 25.3	16 16.3 21.1 9.3	H H H	335 350 385 170
510M1-24C 600M1-24C 750H1-24C	510 600 750	48 48 48 48	87 102 128		29.9 36 47	26.1 31.4 40.8	13 15.7 20.4	10.8 13 17	M M H	175 190 310
Three Phase Models				Max AC Amps RMS						
	O I IIUS	C IIIOU	1613		IVIAX	AL AN	ips kivi	5		
Model #	Amp Hour	DC Volts	DC Amps	@120 VAC	@208 VAC	@240 VAC	@480 VAC	@575 VAC	Cabinet Size	Weight Lbs.
Model # 600H3-6C	Amp Hour	DC Volts	DC Amps		@208 VAC 5.3	@240 VAC 4.6	@480 VAC 2.3	@575 VAC 1.9	Size H	Lbs. 185
Model #  600H3-6C 510H3-12C	Amp Hour 600 510	DC Volts	DC Amps 102 87		@208 VAC 5.3 8.9	@240 VAC 4.6 7.8	@480 VAC 2.3 3.9	@575 VAC 1.9 3.2	Size H H	185 190
Model # 600H3-6C 510H3-12C 600H3-12C	Amp Hour 600 510 600	DC Volts 12 24 24	DC Amps 102 87 102		@208 VAC 5.3 8.9 10.9	@240 VAC 4.6 7.8 9.5	@480 VAC 2.3 3.9 4.8	@575 VAC 1.9 3.2 3.9	Size H H H	185 190 195
Model #  600H3-6C 510H3-12C	Amp Hour 600 510	DC Volts	DC Amps 102 87		@208 VAC 5.3 8.9	@240 VAC 4.6 7.8	@480 VAC 2.3 3.9	@575 VAC 1.9 3.2	Size H H	185 190
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C	Amp Hour 600 510 600 750	DC Volts 12 24 24 24 24 24 24 24	DC Amps 102 87 102 128 150 164		@208 VAC 5.3 8.9 10.9 12.7 15.2 16.6	@240 VAC 4.6 7.8 9.5 11 13.3 14.5	@480 VAC 2.3 3.9 4.8 5.5	@575 VAC 1.9 3.2 3.9 4.6 5.5 6	Size H H H H H	185 190 195 200 240 245
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 965H3-12C 1050H3-12C	Amp Hour 600 510 600 750 880 965 1050	DC Volts 12 24 24 24 24 24 24 24 24	DC Amps 102 87 102 128 150 164 179		@208 VAC 5.3 8.9 10.9 12.7 15.2 16.6 17.5	@240 VAC 4.6 7.8 9.5 11 13.3 14.5 15.2	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6	@575 VAC 1.9 3.2 3.9 4.6 5.5 6 6.3	Size H H H H H H	185 190 195 200 240 245 250
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 965H3-12C 1050H3-12C 1260H3-12C	Amp Hour 600 510 600 750 880 965 1050 1260	DC Volts 12 24 24 24 24 24 24 24 24 24	DC Amps 102 87 102 128 150 164 179 214		@208 VAC 5.3 8.9 10.9 12.7 15.2 16.6 17.5 21.3	@240 VAC 4.6 7.8 9.5 11 13.3 14.5 15.2 18.6	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6 9.3	@575 VAC 1.9 3.2 3.9 4.6 5.5 6 6.3 7.7	H H H H H H	185 190 195 200 240 245 250 280
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 965H3-12C 1050H3-12C 1260H3-12C 510H3-18C	Amp Hour 600 510 600 750 880 965 1050 1260 510	DC Volts 12 24 24 24 24 24 24 24 24 24 36	DC Amps 102 87 102 128 150 164 179 214		@208 VAC 5.3 8.9 10.9 12.7 15.2 16.6 17.5 21.3	@240 VAC 4.6 7.8 9.5 11 13.3 14.5 15.2 18.6 11.3	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6 9.3 5.7	@575 VAC 1.9 3.2 3.9 4.6 5.5 6 6.3 7.7 4.7	Size H H H H H H H	185 190 195 200 240 245 250 280 220
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 1050H3-12C 1260H3-12C 1260H3-12C 510H3-18C 600H3-18C	Amp Hour 600 510 600 750 880 965 1050 1260 510 600	DC Volts  12 24 24 24 24 24 24 24 24 36 36	DC Amps 102 87 102 128 150 164 179 214 87 102		@208 VAC 5.3 8.9 10.9 12.7 15.2 16.6 17.5 21.3 13 14.7	@240 VAC 4.6 7.8 9.5 11 13.3 14.5 15.2 18.6 11.3 12.8	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6 9.3 5.7 6.4	@575 VAC 1.9 3.2 3.9 4.6 5.5 6 6.3 7.7 4.7 5.3	Size H H H H H H H H H H	185 190 195 200 240 245 250 280 220 240
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 965H3-12C 1050H3-12C 1260H3-12C 510H3-18C	Amp Hour 600 510 600 750 880 965 1050 1260 510	DC Volts 12 24 24 24 24 24 24 24 24 24 36	DC Amps 102 87 102 128 150 164 179 214		@208 VAC 5.3 8.9 10.9 12.7 15.2 16.6 17.5 21.3	@240 VAC 4.6 7.8 9.5 11 13.3 14.5 15.2 18.6 11.3	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6 9.3 5.7	@575 VAC 1.9 3.2 3.9 4.6 5.5 6 6.3 7.7 4.7	Size H H H H H H H	185 190 195 200 240 245 250 280 220
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 1050H3-12C 1260H3-12C 510H3-18C 600H3-18C 750H3-18C	Amp Hour 600 510 600 750 880 965 1050 1260 510 600 750 880 965	DC Volts  12 24 24 24 24 24 24 24 24 36 36 36 36	DC Amps  102 87 102 128 150 164 179 214 87 102 128 150 164		©208 VAC  5.3  8.9 10.9 12.7 15.2 16.6 17.5 21.3 13 14.7 18.2 21.9 23.5	@240 VAC 4.6 7.8 9.5 11 13.3 14.5 15.2 18.6 11.3 12.8 15.8 19.1 20.5	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6 9.3 5.7 6.4 7.9 9.5	@575 VAC 1.9 3.2 3.9 4.6 5.5 6 6.3 7.7 4.7 5.3 6.6	Size H H H H H H H H H H	185 190 195 200 240 245 250 280 220 240 275
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 1050H3-12C 1260H3-12C 1260H3-12C 510H3-18C 600H3-18C 750H3-18C 880H3-18C 1050H3-18C	Amp Hour 600 510 600 750 880 965 1050 1260 750 800 750 800 750 800 750 800 750	DC Volts  12 24 24 24 24 24 24 24 24 36 36 36 36 36 36 36	DC Amps  102  87 102 128 150 164 179 214 87 102 128 150 164 179		©208 VAC  5.3  8.9 10.9 12.7 15.2 16.6 17.5 21.3  13 14.7 18.2 21.9 23.5 25.8	@240 VAC 4.6 7.8 9.5 11 13.3 14.5 15.2 18.6 11.3 12.8 15.8 19.1 20.5 22.5	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6 9.3 5.7 6.4 7.9 9.5 10.2 11.2	@575 VAC  1.9 3.2 3.9 4.6 5.5 6 6.3 7.7 4.7 5.3 6.6 7.9 8.5 9.3	Size H H H H H H H H H H H H H	185 190 195 200 240 245 250 280 220 240 275 285 295 300
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 1050H3-12C 1260H3-12C 510H3-18C 600H3-18C 880H3-18C 965H3-18C 150H3-18C	Amp Hour 600 510 600 750 880 965 1050 1260 510 600 750 880 965 1050 1250 1050 1250	DC Volts  12 24 24 24 24 24 24 24 36 36 36 36 36 36 36 36 36	DC Amps  102  87 102 128 150 164 179 214  87 102 128 150 164 179 214  179 214		©208 VAC  5.3  8.9 10.9 15.2 16.6 17.5 21.3 13 14.7 18.2 21.9 23.5 25.8 31.8	@240 VAC 4.6 7.8 9.5 11 13.3 14.5 15.2 18.6 11.3 12.8 15.8 19.1 20.5 22.5 27.7	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6 9.3 5.7 6.4 7.9 9.5 10.2 11.2 13.9	@575 VAC  1.9 3.2 3.9 4.6 5.5 6 6.3 7.7 4.7 5.3 6.6 7.9 8.5 9.3 11.5	Size H H H H H H H H H H H H H H H H H H H	185 190 195 200 244 245 250 280 220 240 275 285 295 300 325
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 1050H3-12C 1260H3-12C 510H3-18C 600H3-18C 965H3-18C 965H3-18C 1050H3-18C 1050H3-18C 1050H3-18C	Amp Hour 600 510 600 750 880 965 1050 1260 510 600 750 880 965 1050 1200 1200 1400	DC Volts  12 24 24 24 24 24 24 24 36 36 36 36 36 36 36 36 36 36 36 36	DC Amps  102 87 102 128 150 164 179 214 87 102 128 150 164 179 214 238		©208 VAC  5.3  8.9 10.9 12.7 15.2 16.6 17.5 21.3 14.7 18.2 21.9 23.5 25.8 31.8 32.3	@240 VAC 4.6 7.8 9.5 11 13.3 14.5 15.2 18.6 11.3 12.8 15.8 19.1 20.5 22.5 27.7 28	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6 9.3 5.7 6.4 7.9 9.5 10.2 11.2 13.9 14	@575 VAC  1.9 3.2 3.9 4.6 5.5 6 6.3 7.7 4.7 5.3 6.6 7.9 8.5 9.3 11.5 11.7	Size H H H H H H H H H H H H H H H H H H H	185 190 195 200 240 245 250 280 220 240 275 285 295 300 325 390
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 1050H3-12C 1260H3-12C 510H3-18C 600H3-18C 965H3-18C 1050H3-18C 1050H3-18C 380H3-18C 1260H3-18C 1260H3-18C	Amp Hour 600 510 600 750 880 965 1050 1260 510 600 750 880 965 1050 1200 1200 1400 380	DC Volts  12 24 24 24 24 24 24 24 36 36 36 36 36 36 36 36 36 36 36	DC Amps  102 87 102 128 150 164 179 214 87 102 128 150 164 179 214 87 102 128 150 164 179 214 238 65		©208 VAC  5.3  8.9 10.9 12.7 15.2 16.6 17.5 21.3 13 14.7 18.2 21.9 23.5 25.8 31.8 32.3 13.3	@240 VAC 4.6 7.8 9.5 11 13.3 14.5 15.2 18.6 11.3 12.8 19.1 20.5 22.5 27.7 28	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6 9.3 5.7 6.4 7.9 9.5 10.2 11.2 13.9	@575 VAC  1.9 3.2 3.9 4.6 5.5 6 6.3 7.7 4.7 5.3 6.6 7.9 8.5 9.3 11.5 11.7 4.8	Size H H H H H H H H H H H H H H H H H H H	185 190 195 200 244 245 250 280 220 240 275 285 295 300 325
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 1050H3-12C 1260H3-12C 510H3-18C 600H3-18C 965H3-18C 965H3-18C 1050H3-18C 1050H3-18C 1050H3-18C	Amp Hour 600 510 600 750 880 965 1050 1260 510 600 750 880 965 1050 1200 1200 1400	DC Volts  12 24 24 24 24 24 24 24 36 36 36 36 36 36 36 36 36 36 36 36	DC Amps  102 87 102 128 150 164 179 214 87 102 128 150 164 179 214 238		©208 VAC  5.3  8.9 10.9 12.7 15.2 16.6 17.5 21.3 14.7 18.2 21.9 23.5 25.8 31.8 32.3	@240 VAC 4.6 7.8 9.5 11 13.3 14.5 15.2 18.6 11.3 12.8 15.8 19.1 20.5 22.5 27.7 28	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6 9.3 5.7 6.4 7.9 9.5 10.2 11.2 13.9 14 5.8	@575 VAC  1.9 3.2 3.9 4.6 5.5 6 6.3 7.7 4.7 5.3 6.6 7.9 8.5 9.3 11.5 11.7	Size H H H H H H H H H H H H H H H H H H H	185 190 195 200 240 245 250 280 220 240 275 285 295 300 325 390 195
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Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 1050H3-12C 1260H3-12C 510H3-18C 600H3-18C 965H3-18C 965H3-18C 1050H3-18C 1050H3-18C 380H3-24C 600H3-24C 600H3-24C 600H3-24C	Amp Hour 600 510 600 750 880 965 1050 1260 510 600 750 880 965 1050 1200 1400 380 600 750 880 965	DC Volts  12 24 24 24 24 24 24 24 36 36 36 36 36 36 36 36 48 48 48	DC Amps  102 87 102 128 150 164 179 214 87 102 128 150 164 179 214 238 65 102 128 150 164 179 114 238 150 164 179 114 238 150 164		©208 VAC  5.3  8.9 10.9 12.7 15.2 16.6 17.5 21.3 14.7 18.2 21.9 23.5 25.8 31.8 32.3 13.3 18.8 24 27 31.1	@240 VAC 4.6 7.8 9.5 11.3.3 14.5 15.2 18.6 11.3 12.8 15.8 19.1 20.5 22.5 27.7 28 11.5 16.4 20.9 23.5 27.1	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6 9.3 5.7 6.4 7.9 9.5 10.2 11.2 13.9 14 5.8 8.2 10.5 11.8 13.6	@575 VAC  1.9 3.2 3.9 4.6 5.5 6 6.3 7.7 4.7 5.3 6.6 7.9 8.5 9.3 11.5 11.7 4.8 6.8 8.7 9.8 11.3	Size  H H H H H H H H H H H H H H H H H H	185 190 195 200 240 245 250 280 220 240 275 285 295 300 325 390 195 280 285 330 360
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 1050H3-12C 1260H3-12C 510H3-18C 600H3-18C 965H3-18C 1050H3-18C 1260H3-18C 1260H3-18C 1260H3-18C 1260H3-18C 1260H3-18C 1260H3-18C 1260H3-18C 1260H3-18C 1260H3-18C	Amp Hour 600 510 600 750 880 965 1050 1260 510 600 750 880 965 1050 1200 1400 380 600 750 880 965	DC Volts  12 24 24 24 24 24 24 36 36 36 36 36 36 36 48 48 48 48 48	DC Amps  102 87 102 128 150 164 179 214 87 102 128 150 164 179 214 238 65 102 128 150 164 179 164 179		©208 VAC  5.3  8.9 10.9 12.7 15.2 16.6 17.5 21.3 13 14.7 18.2 21.9 23.5 25.8 31.8 32.3 13.3 18.8 24 27 31.1 35	@240 VAC 4.6 7.8 9.5 11 13.3 14.5 15.2 18.6 11.3 12.8 19.1 20.5 22.5 27.7 28 11.5 16.4 20.9 23.5 27.1 30.5	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6 9.3 5.7 6.4 7.9 9.5 10.2 11.2 13.9 14 5.8 8.2 10.5 11.8 13.6 15.3	©575 VAC  1.9  3.2  3.9  4.6  5.5  6  6.3  7.7  4.7  5.3  6.6  7.9  8.5  9.3  11.5  11.7  4.8  6.8  8.7  9.8  11.3  12.7	Size  H H H H H H H H H H H H H H H H H H	185 190 195 200 240 245 250 280 220 240 275 285 295 300 325 390 195 280 285 390 360 365
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 1050H3-12C 1260H3-12C 1510H3-18C 600H3-18C 750H3-18C 880H3-18C 1050H3-18C 1050H3-18C 1260H3-18C 1400H3-18C 380H3-24C 600H3-24C 880H3-24C 150H3-24C 150H3-24C	Amp Hour 600 510 600 750 880 965 1050 1260 510 600 750 880 965 1050 1200 1400 380 600 750 880 965	DC Volts  12 24 24 24 24 24 24 36 36 36 36 36 36 48 48 48 48 48	DC Amps  102 87 102 128 150 164 179 214 87 102 128 150 164 179 214 238 65 102 128 150 164 179 214 238 150 164 179 214		©208 VAC  5.3  8.9 10.9 15.2 16.6 17.5 21.3 14.7 18.2 21.9 23.5 25.8 31.8 32.3 13.8 24 27 31.1 35 43.5	@240 VAC 4.6 7.8 9.5 11 13.3 14.5 15.2 18.6 19.1 20.5 22.5 27.7 28 11.5 16.4 20.9 23.5 27.1 30.5 37.7	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6 9.3 5.7 6.4 7.9 9.5 10.2 11.2 13.9 14 5.8 8.2 10.5 11.8 13.6 15.3 18.9	@575 VAC  1.9 3.2 3.9 4.6 5.5 6 6.3 7.7 4.7 5.3 6.6 7.9 8.5 9.3 11.5 11.7 4.8 8.7 9.8 11.3 12.7 15.7	Size  H H H H H H H H H H H H H H H H H H	185 190 195 200 240 245 250 280 220 240 275 285 295 300 325 390 195 280 285 330 366 425
Model #  600H3-6C 510H3-12C 600H3-12C 750H3-12C 880H3-12C 1050H3-12C 1260H3-12C 510H3-18C 600H3-18C 965H3-18C 1050H3-18C 1260H3-18C 1260H3-18C 1260H3-18C 1260H3-18C 1260H3-18C 1260H3-18C 1260H3-18C 1260H3-18C 1260H3-18C	Amp Hour 600 510 600 750 880 965 1050 1260 510 600 750 880 965 1050 1200 1400 380 600 750 880 965	DC Volts  12 24 24 24 24 24 24 36 36 36 36 36 36 36 48 48 48 48 48	DC Amps  102 87 102 128 150 164 179 214 87 102 128 150 164 179 214 238 65 102 128 150 164 179 164 179		©208 VAC  5.3  8.9 10.9 12.7 15.2 16.6 17.5 21.3 13 14.7 18.2 21.9 23.5 25.8 31.8 32.3 13.3 18.8 24 27 31.1 35	@240 VAC 4.6 7.8 9.5 11 13.3 14.5 15.2 18.6 11.3 12.8 19.1 20.5 22.5 27.7 28 11.5 16.4 20.9 23.5 27.1 30.5	@480 VAC 2.3 3.9 4.8 5.5 6.6 7.2 7.6 9.3 5.7 6.4 7.9 9.5 10.2 11.2 13.9 14 5.8 8.2 10.5 11.8 13.6 15.3	©575 VAC  1.9  3.2  3.9  4.6  5.5  6  6.3  7.7  4.7  5.3  6.6  7.9  8.5  9.3  11.5  11.7  4.8  6.8  8.7  9.8  11.3  12.7	Size  H H H H H H H H H H H H H H H H H H	185 190 195 200 240 245 250 280 220 240 275 285 295 300 325 390 195 280 285 390 360 365

Model **Control Features** Automatic start/stop Timed delay start PT/DV/DT termination • Universal control for 6,12,18, 24,36 cell Back-up timers AC fail recovery Battery/charger mismatch protection Refresh charge Automatic equalize Full battery reject Modular design Optional start modes Forming cycles Extended run time Optional equalize modes Data-Mate compatible 99 cycle archive • Cool down Thermal runaway protection 80% volts/cell AC power/reset charge cycle option

## Full Line of Automatic Start/Stop Controls





**Series** AC1000 AC2000

For more charger control information, see the following: AC1000 - data sheet 1322 AC2000 - data sheet 1320

AC Input Configurations Available: 120/208/240, 208/240/480, 480/575







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