

ACCU-CHARGER

FERRORESONANT BATTERY CHARGER

SINGLE PHASE

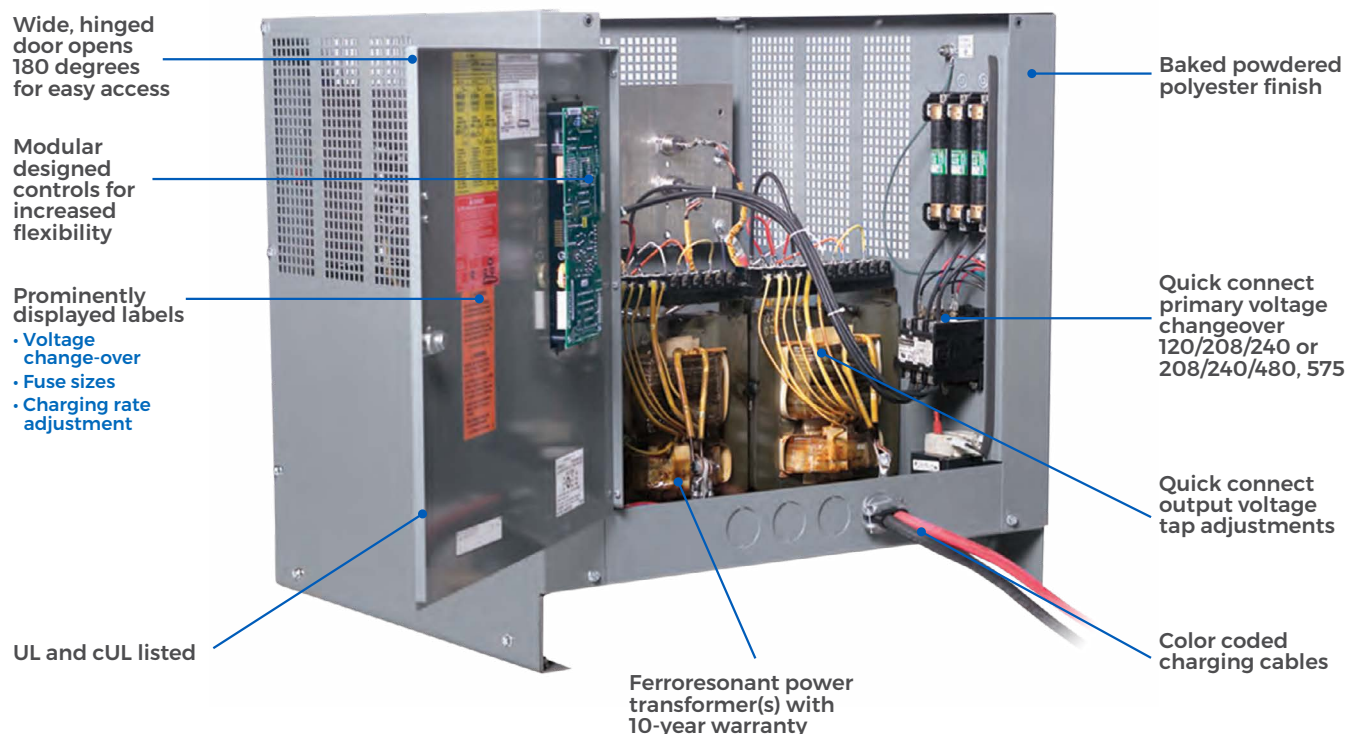
THREE PHASE

The Accu-Charger sets the industry standard for accuracy, efficiency and reliability. The power conversion circuitry maximizes battery life by using a constantly tapering output, which is automatically regulated by the "On Charge" battery voltage. The charge current of the Accu-Charger is determined by the state of discharge of the battery. The battery is precisely charged, based on its depth of discharge.

- 100% rated to recharge fully discharged batteries in 8 hours or less
- A choice of 2 interchangeable controls for added flexibility
- Quality-built for little to no maintenance and years of dependable service
- 10-year full warranty
- Fail-safe design protects batteries
- UL and cUL listed



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



Maximum Performance

- Available in a variety of single and three phase models, providing multiple AC input voltages as standard.
- Rated to recharge a 100% discharged battery in its ampere-hour rating within 8 hours. After the battery is connected and the control is initiated, it will automatically start the charging operation. It will continue to charge the battery until the battery is fully charged then it will automatically terminate the operation.
- Designed to allow controls to be interchanged in minutes for greater control, flexibility and automation of any battery charging operation. Depending on your charging requirements, it can be controlled by either the AC1000 or AC2000 controller.
- In rare instances where changes to the DC output might be required, necessary adjustments are made simple with conveniently located quick-connect jumpers. AC input voltage change-overs take just minutes because of conveniently located taps and quick-connect jumpers.
- Internally protected against overload, short circuit, incorrect battery connection and voltage transients. Shorting of the DC output will not damage the charger or cause fuses to blow. In the event of a component failure, the charging rate will automatically go to "minimum," protecting the battery from damage.

Benefits

- UL and cUL listed and meets BCI requirements.
- Minimize repair costs with our 10-year original purchaser full warranty on labor, travel, mileage and part replacements. Fuses are not warranted unless found to be defective prior to use.
- Designed without fans to help eliminate dirt and debris getting in the charger and decreases audible noise for quieter operation.
- The copper-wound, ferroresonant transformer design is extremely efficient, converting AC input power to useable DC output power.
- The cabinet is constructed with heavy-gauge sheet metal and finished with a durable, long-lasting powdered polyester baked finish. 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

ACCU-CHARGER MODELS										
Application		Output	Model Number			AC Input, Amperes			Approximate Weight	
Number battery case	Recommended battery ampere-hour range for 8 hour charge	DC Output amperes 2.13 V/cell	A Case	B Case	C Case	1-phase 120/208/240 volts	1-phase 208/240/480, 575 volts (see notes)	3-phase 208/240/480, 575 volts (see notes)	lb	kg
6	0 - 180	36	180A1-6	380B1-6	600C3-6	5.5/3.1/2.7	3.1/2.7/1.4, 1.0	6.1/5.3/2.6, 2.2	95	43
6	181 - 250	50	250A1-6			8.1/4.7/4.1	4.7/4.1/2.0, 1.5		100	45
6	251 - 380	76	380A1-6			13.2/7.6/6.6	7.6/6.6/3.3, 2.8		110/165	50/75
6	381 - 450	90	450A1-6			15.0/8.7/7.6	8.7/7.6/3.8, 3.1		115	52
6	451 - 510	102					10.6/9.2/4.6, 3.8		175	79
6	511 - 600	120					11.5/10.0/5.0, 4.2		185/225	84/102
6	601 - 750	150					14.5/12.6/6.3, 5.3		190/290	86/132
6	751 - 880	176					17.7/15.4/7.7, 6.4		205/285	93/129
6	881 - 1,050	210			1050C3-6			10.7/9.2/4.6, 3.8	290	132
9	381 - 450	90	450A1-9		450C3-9		11.8/10.2/5.1, 4.3	6.7/6.0/3.0, 2.5	120/220	54/100
12	0 - 250	50	250A1-12	380B1-12	380C3-12	16.7/9.6/8.4	9.6/8.4/4.2, 3.5	6.9/6.0/3.0, 2.5	110	50
12	251 - 380	76	380A1-12		450C3-12		14.5/12.6/6.3, 5.2		115/185/275	52/84/125
12	381 - 450	90			510C3-12		16.5/14.4/7.2, 6.1		190/280	86/127
12	451 - 510	102			600C3-12		18.8/16.4/8.2, 6.7		195/283	88/128
12	511 - 600	120			750C3-12		22.7/19.8/9.9, 8.2		205/285	93/129
12	601 - 750	150			880C3-12		29.1/25.3/12.7, 10.5		230/295	104/134
12	751 - 880	176			1050C3-12		34.3/29.9/14.9, 12.4		235/310	107/141
12	881 - 1,050	210			1200C3-12				330	150
12	1,051 - 1,200	240			1400C3-12				370	168
12	1,201 - 1,400	280							410	186
16	511 - 600	120			600C3-16			16.1/14.0/7.0, 5.8	305	139
16	751 - 880	176			880C3-16			23.3/20.3/10.2, 8.5	320	145
18	0 - 250	50	250A1-18	250B1-18	380C3-18	12.8/11.1/5.6, 4.6 20.0/17.4/8.7, 7.2 24.5/21.4/10.7, 8.9 27.5/24.0/12.0, 10.0 31.1/27.1/13.5, 11.3 42.5/36.8/18.4, 15.4 47.5/41.2/20.6, 17.2 NA/48.0/24.0, 20.0 59.8/51.8/25.9/21.6	10.5/9.1/4.6, 3.8	29.0/25.2/12.6, 10.5 33.6/29.3/14.7, 12.2 37.2/32.4/16.2, 13.5 45.0/39.0/19.5, 16.3	125	57
18	251 - 380	76		380B1-18	450C3-18		13.3/11.6/5.8, 4.8		205/295	86/132
18	381 - 450	90		510B1-18	510C3-18		15.7/13.7/6.9, 5.7		215/300	93/134
18	451 - 510	102		600B1-18	600C3-18		17.3/15.1/7.6, 6.3		225/310	98/136
18	511 - 600	120		750B1-18	750C3-18		22.9/19.9/10.0, 8.3		230/320	102/141
18	601 - 750	150		880B1-18	880C3-18		24.2/21.1/10.5, 8.8		330/370	132/145
18	751 - 880	176		965B1-18	965C3-18		25.8/22.5/11.2, 9.3		345/380	150/168
18	881 - 965	193			1020C1-18				335	152
18	881 - 1,020	204			1050C3-18				385	175
18	966 - 1,050	210			1200C3-18				425	193
18	1,051 - 1,200	240			1400C3-18				450	204
18	1,201 - 1,400	280			1500C3-18				500	227
18	1,401 - 1,500	300								
20	1,201 - 1,400	280			1400C3-20			43.5/37.7/18.8, 15.7	495	225
24	181 - 250	50		250B1-24	250C3-24	17.4/15.2/7.6, 6.3 25.1/21.9/10.9, 9.1 31.5/27.5/13.7, 11.4 42.2/36.6/18.3, 15.3 45.2/39.2/19.6, 16.4	8.9/7.7/3.9, 3.2	22.5/19.6/9.8, 8.2 28.1/24.5/12.2, 10.2 34.7/30.2/15.1, 12.6 36.6/31.9/15.9/13.2 41.1/35.8/17.9, 14.9 44.1/38.4/19.2, 16.0 NA/46.5/23.3, 19.3 NA/NA/25.3, 21.1	195/285	88/129
24	251 - 380	76		380B1-24	380C3-24		13.7/11.9/6.0, 5.0		219/285	99/129
24	381 - 450	90		450B1-24	450C3-24		17.0/14.8/7.4, 6.2		225/290	102/132
24	451 - 510	102		510B1-24	600C3-24				260	118
24	451 - 600	120		600B1-24	750C3-24				295/320	134/145
24	601 - 750	150			880C3-24				380	172
24	751 - 880	176			965C3-24				375	170
24	881 - 965	193			1050C3-24				380	172
24	881 - 1,050	210			1200C3-24				450	204
24	1,051 - 1,200	240			1400C3-24				470	213
24	1,201 - 1,400	280			1520C3-24				510	231
24	1,401 - 1,520	304							555	252
30	251 - 380	76			380C3-30			17.9/15.6/7.8, 6.5	325	147
30	601 - 750	150			750C3-30			33.2/28.8/14.4, 12.0	380	172
32	511 - 600	120			600C3-32			28.6/24.8/12.4, 10.4	325	147
36	0 - 250	50			250C3-36	62.2/54.2/27.1, 22.6	13.6/11.8/5.9, 4.9	22.6/19.6/9.8, 8.2 30.8/26.8/13.4, 11.2 36.6/31.9/16.0, 13.3 45.6/39.8/19.9, 16.5 NA/47.0/23.5, 19.6	310	141
36	251 - 380	76			380C3-36		21.7/18.8/9.4, 7.8		325	147
36	381 - 450	90			450C3-36		25.7/22.4/11.2, 9.3		365	166
36	451 - 600	120			600C3-36		32.2/28.1/14.0, 11.7		390	177
36	601 - 750	150			750C3-36		43.6/38.0/19.0, 15.8		415	188
36	751 - 880	176			880C3-36		NA/43.0/21.5, 17.9		485	220
36	881 - 965	193			965C3-36		NA/48.0/24.0, 20.0		490	222
36	881 - 1,000	200			1000C3-36		NA/48.0/24.0/, 21.0		500	227
40	251 - 380	76			380C3-40	62.2/54.2/27.1, 22.6	22.6/19.6/9.8, 8.2	36.6/31.9/16.0, 13.3 45.6/39.8/19.9, 16.5 NA/47.0/23.5, 19.6	325	147
40	451 - 510	102			510C3-40		30.8/26.8/13.4, 11.2		410	186
40	451 - 550	110			550C1-40				415	188
40	511 - 600	120			600C3-40				420	191
40	601 - 750	150			750C3-40				490	222
40	751 - 880	176			880C3-40				515	234

NOTE 1: Single phase chargers can be connected to one phase of a three phase power system.

NOTE 2: Contact factory for availability on non-standard voltages, non-standard cell sizes, 50 Hertz chargers, or special applications.

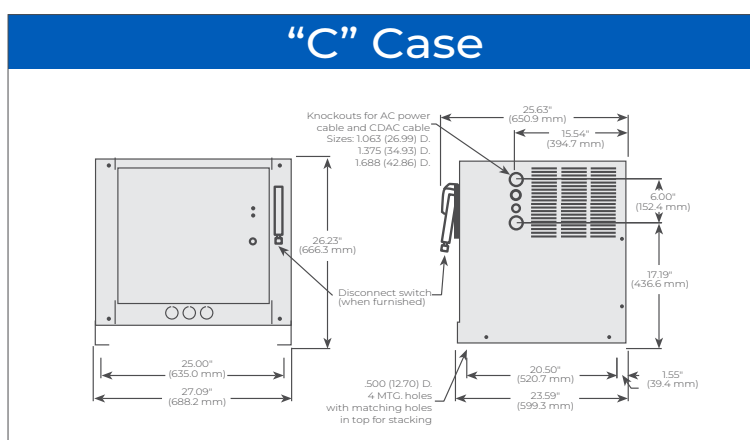
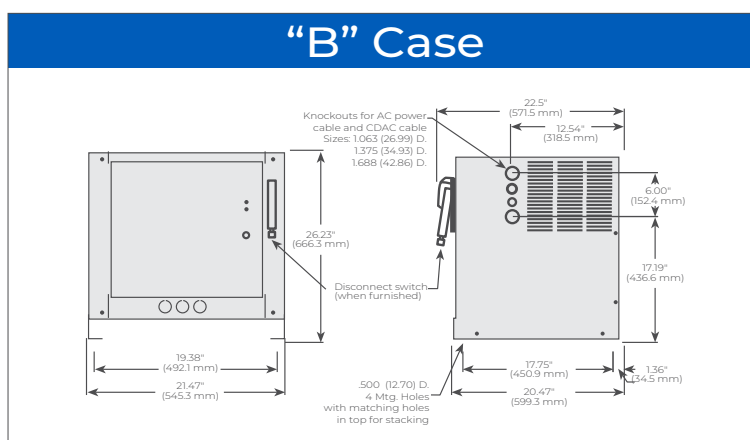
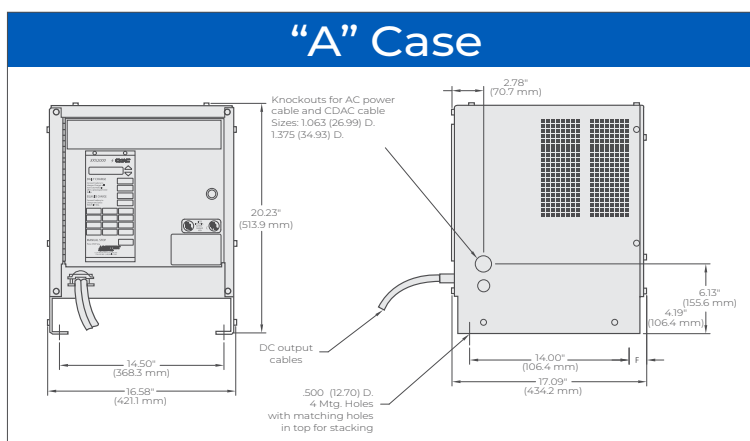
NOTE 3: All chargers are furnished with standard SB type battery charging connector and 8 ft. output cable.

NOTE 4: Standard voltages for single and three phase models are 208/240/480. Alternate voltage configuration 240/480/575.

NOTE 5: Not all options are available for models listed, contact us for availability.

NOTE 6: We are continually looking for ways for improve our products, so some specifications may be subject to change without notice.

CONTROL FEATURES	Model	
	AC1000	AC2000
Automatic start/stop	•	•
Timed delay start	•	•
PT/DV/DT termination	•	•
VT 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	•	



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