

# MULTIPLE CIRCUIT ACCU-CHARGER AND BATTERY-MATE 80

## FERRORESONANT BATTERY CHARGERS

Keep installation costs low and save floor space while still efficiently charging up to six batteries with the uniquely designed Multiple Circuit (Multi Circuit) chargers. The charger houses a minimum of two to a maximum of six full-featured chargers, while requiring only 30 cubic feet of space and one electrical input line. The Multi Circuit Accu-Charger is rated to recharge a 100% discharged battery in its ampere-hour rating within 8 hours while the Multi Circuit Battery-Mate 80 charges an 80% discharged battery in 8 hours or less.

- A choice of 2 interchangeable controls for added flexibility
- Space efficient for areas with limited room
- Up to 6 independent charging circuits in one cabinet
- 10-year transformer and diode warranty



CONTROL FEATURES	Model	
	ACT1000	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-Link compatible		•
30 cycle archive		•
Cool down	•	•
Thermal runaway protection		•

**MULTIPLE-CIRCUIT BATTERY-MATE 80 MODELS**

Application		Output	Model Number/A.C. Input Amperes/3 Phase (208/204/480, 575 volts)/Approximate Shipping Weight						
Number Battery Cell	Recommended battery ampere-hour range for 8 hour charge	DC output amps @ 2.13 v/cell	2 circuit 3 phase in 1 cabinet	3 circuit 3 phase in 1 cabinet	2 circuit 1 phase in 1 cabinet	3 circuit 1 phase in 1 cabinet	4 circuit 1 phase in 1 cabinet	5 circuit 1 phase in 1 cabinet	6 circuit 1 phase in 1 cabinet
6	251 - 380	65			380D3-6S2M 10.7/9.3/4.7, 3.9, 380 lb	380D3-6S3M 10.7/9.3/4.7, 3.9, 430 lb	380D3-6S4M 16.4/14.2/7.1, 5.9, 470 lb	380E3-6S5M 21.5/18.6/9.3, 7.8, 605 lb	380E3-6S6M 21.5/18.6/9.3, 7.8, 650 lb
6	381 - 450	77			450D3-6S2M 12.8/11.1/5.6, 4.6, 405 lb	450D3-6S3M 12.8/11.1/5.6, 4.6, 465 lb	450D3-6S4M 19.6/17/8.5, 4.1, 525 lb	450E3-6S5M 25.6/22.2/11.1, 9.3, 665 lb	450E3-6S6M 25.6/22.2/11.1, 9.3, 725 lb
6	451 - 510	87			510D3-6S2M 13.7/11.9/5.9, 4.9, 420 lb	510D3-6S3M 13.7/11.9/5.9, 4.9, 485 lb	510D3-6S4M 20.9/18.1/9.1, 7.6, 550 lb	510E3-6S5M 27.4/23.7/11.9, 9.9, 695 lb	510E3-6S6M 27.4/23.7/11.9, 9.9, 755 lb
6	511 - 600	102	600E3-6T2M 10.6/9.2/4.6, 3.8, 545 lb	600E3-6T3M 15.9/13.8/6.9, 5.7, 745 lb	600D3-6S2M 17.7/15.3/7.7, 6.4, 430 lb	600D3-6S3M 17.7/15.3/7.7, 6.4, 505 lb	600D3-6S4M 27.2/23.4/11.7, 9.8, 575 lb	600E3-6S5M 35.3/30.6/15.3, 12.8, 730 lb	600E3-6S6M 35.3/30.6/15.3, 12.8, 795 lb
12	0 - 250	43			250D3-12S2M 13.2/11.4/5.7, 4.8, 395 lb	250D3-12S3M 13.2/11.4/5.7, 4.8, 445 lb	250D3-12S4M 20.1/17.4/8.7, 7.3, 490 lb	250E3-12S5M 26.3/22.8/11.4, 9.5, 630 lb	250E3-12S6M 26.3/22.8/11.4, 9.5, 695 lb
12	251 - 380	65			380D3-12S2M 21/18.2/9.1, 7.6, 405 lb	380D3-12S3M 21/18.2/9.1, 7.6, 460 lb	380D3-12S4M 32.2/27.7/13.9, 11.6, 520 lb	380E3-12S5M 41.9/36.3/18.2, 15.2, 660 lb	380E3-12S6M 41.9/36.3/18.2, 15.2, 720 lb
12	381 - 450	77			450D3-12S2M 23.9/20.7/10.4, 8.6, 475 lb	450D3-12S3M 23.9/20.7/10.4, 8.6, 540 lb	450D3-12S4M 36.5/31.6/15.8, 13.2, 650 lb	450E3-12S5M 47.8/41.4/20.7, 17.3, 830 lb	450E3-12S6M 47.8/41.4/20.7, 17.3, 920 lb
12	451 - 510	87	510E3-12T2M 17.8/15.6/7.8, 6.5, 630 lb	510E3-12T3M 26.7/23.4/11.7, 9.8, 835 lb	510D3-12S2M 27/23.4/11.7, 9.8, 490 lb	510D3-12S3M 27/23.4/11.7, 9.8, 570 lb	510D3-12S4M 41.3/35.8/17.9, 14.9, 670 lb	510E3-12S5M 54/46.8/23.4, 19.5, 860 lb	510E3-12S6M 54/46.8/23.4, 19.5, 945 lb
12	511 - 600	102	600E3-12T2M 21.8/19/9.6, 8, 650 lb	600E3-12T3M 32.7/28.5/14.4, 12, 915 lb	600D3-12S2M 32/27.8/13.9, 11.6, 510 lb	600D3-12S3M 32/27.8/13.9, 11.6, 585 lb	600D3-12S4M 48.9/42.4/21.2, 17.7, 690 lb	600E3-12S5M 64.1/55.5/27.8, 23.2, 875 lb	600E3-12S6M 64.1/55.5/27.8, 23.2, 975 lb
12	601 - 750	128	750E3-12T2M 25.4/22/11, 9.2, 690 lb	750E3-12T3M 38.1/33/16.5, 13.8, 895 lb	750D3-12S2M 43.6/37.8/18.9, 15.8, 525 lb	750D3-12S3M 43.6/37.8/18.9, 15.8, 620 lb	750D3-12S4M 66.7/57.8/28.9, 24.1, 730 lb	750E3-12S5M 87.3/75.7/37.8, 31.6, 930 lb	750E3-12S6M 87.3/75.7/37.8, 31.6, 1,040 lb
12	751 - 880	150	880E3-12T2M 30.4/26.6/13.2, 11, 785 lb	880E3-12T3M 45.6/39.9/19.8, 16.5, 1,045 lb	880D3-12S2M 50.6/43.8/21.9, 18.3, 545 lb	880D3-12S3M 50.6/43.8/21.9, 18.3, 730 lb	880D3-12S4M 77.3/67/33.5, 27.9, 830 lb	880E3-12S5M 101.1/87.7/43.8, 36.6, 1,015 lb	880E3-12S6M 101.1/87.7/43.8, 36.6, 1,145 lb
12	881 - 965	164	965E3-12T2M 33.2/29/14.4, 12, 800 lb	965E3-12T3M 49.8/43.5/21.6, 18, 995 lb	965D3-12S2M 53.3/46.2/23.1, 19.3, 550 lb	965D3-12S3M 53.3/46.2/23.1, 19.3, 745 lb	965D3-12S4M 81.5/70.6/35.3, 29.5, 835 lb	965E3-12S5M 106.7/92.5/46.2, 38.6, 1,075 lb	965E3-12S6M 106.7/92.5/46.2, 38.6, 1,215 lb
12	881 - 1,050	179	1050E3-12T2M 35/30.4/15.2, 12.7, 870 lb	1050E3-12T3M 52.5/45.5/22.8, 19, 1,065 lb					
12	1,051 - 1,260	214	1260E3-12T2M 42.6/37.2/18.6, 15.5, 905 lb	1260E3-12T3M 63.9/55.4/27.7, 23.3, 1,110 lb					
18	451 - 510	87	510E3-18T2M 26/22.6/11.4, 9.4, 705 lb	510E3-18T3M 39/33.8/16.9, 14.1, 910 lb	510D3-18S2M 38.3/33.2/16.6, 13.8, 530 lb	510D3-18S3M 38.3/33.2/16.6, 13.8, 625 lb	510D3-18S4M 58.5/50.7/25.3, 21.2, 735 lb	510E3-18S5M 76.6/66.3/33.2, 27.7, 930 lb	510E3-18S6M 76.6/66.3/33.2, 27.7, 1,045 lb
18	511 - 600	102	600E3-18T2M 29.4/25.6/12.8, 10.7, 740 lb	600E3-18T3M 44.1/38.2/19.1, 16, 935 lb	600D3-18S2M 48.5/42/21, 17.5, 540 lb	600D3-18S3M 48.5/42/21, 17.5, 650 lb	600D3-18S4M 74.1/64.2/32.1, 26.8, 770 lb	600E3-18S5M 97/84.1/42, 35.1, 970 lb	600E3-18S6M 97/84.1/42, 35.1, 1,095 lb
18	601 - 750	128	750E3-18T2M 36.4/31.6/15.8, 13.2, 895 lb	750E3-18T3M 54.6/47.3/23.7, 19.8, 1,145 lb	750D3-18S2M 61.7/53.4/26.7, 22.3, 695 lb	750D3-18S3M 61.7/53.4/26.7, 22.3, 805 lb	750E3-18S4M 94.2/81.6/40.8, 34.1, 925 lb	750E3-18S5M 123.3/106.9/53.4, 44.6, 1,225 lb	
18	751 - 880	150	880E3-18T2M 43.8/38/19, 15.9, 1,015 lb	880E3-18T3M 65.7/57/28.5, 23.8, 1,210 lb	880D3-18S2M 76.7/66.5/33.2, 27.8, 765 lb	880D3-18S3M 76.7/66.5/33.2, 27.8, 905 lb	880E3-18S4M 117.2/101.6/50.8, 42.4, 1,045 lb		
18	881 - 965	164	965E3-18T2M 47.4/40.7/20.4, 17, 1,065 lb	965E3-18T3M 70.5/61.1/30.6, 25.5, 1,260 lb					
18	966 - 1,050	179	1050E3-18T2M 51.6/44.7/22.4, 18.7, 1,125 lb	1050E3-18T3M 77.4/67.1/33.5, 28, 1,320 lb					
18	1,051 - 1,260	214	1260E3-18T2M 63.6/55.1/27.6, 23, 1,200 lb	1260E3-18T3M 95.4/82.7/41.3, 34.5, 1,385 lb					
24	251 - 380	65	380E3-24T2M 26.6/23.1/11.5, 9.6, 645 lb	380E3-24T3M 39.9/34.6/17.3, 14.4, 840 lb					
24	510 - 600	102	600E3-24T2M 37.6/32.6/16.3, 13.6, 935 lb	600E3-24T3M 56.4/48.9/24.4, 20.4, 1,150 lb					
24	601 - 750	128	750E3-24T2M 48/41.6/20.8, 17.4, 985 lb	750E3-24T3M 72/62.4/31.2, 26, 1,180 lb					
24	751 - 880	150	880E3-24T2M 54/46.8/23.4, 19.5, 1,075 lb	880E3-24T3M 81/70.2/35.1, 29.3, 1,270 lb					
24	881 - 965	164	965E3-24T2M 62.2/53.9/27, 22.5, 1,115 lb	965E3-24T3M 93.3/80.9/40.4, 33.8, 1,310 lb					
24	966 - 1,050	179	1050E3-24T2M 70/60.7/30.3, 25.3, 1,165 lb	1050E3-24T3M 105/91/45.5, 38, 1,365 lb					

NOTE: "F" suffix at end of model number indicates charger is equipped with a cooling fan and hood

Case Dimensions (Width X Height X Depth)  
See 4th or 5th digit of model number  
 "D" case 25 X 60 X 25 in 635 X 1,524 X 635 mm  
 "E" case 35 X 60 X 25 in 889 X 1,524 X 635 mm  
 "F" case with fan hood 35 X 67 X 25 in 889 X 1,702 X 635 mm

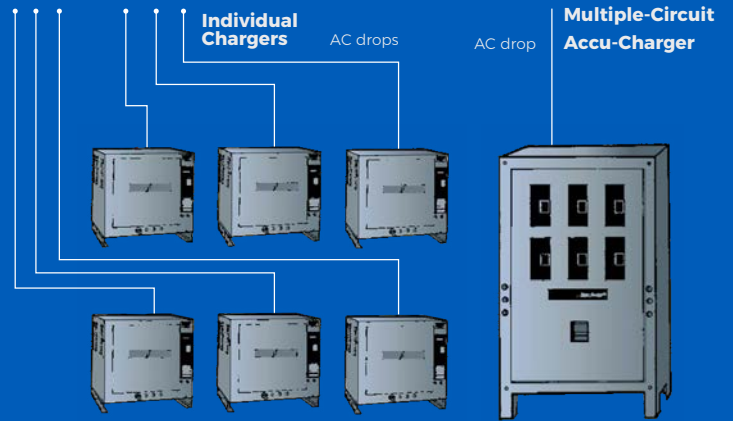
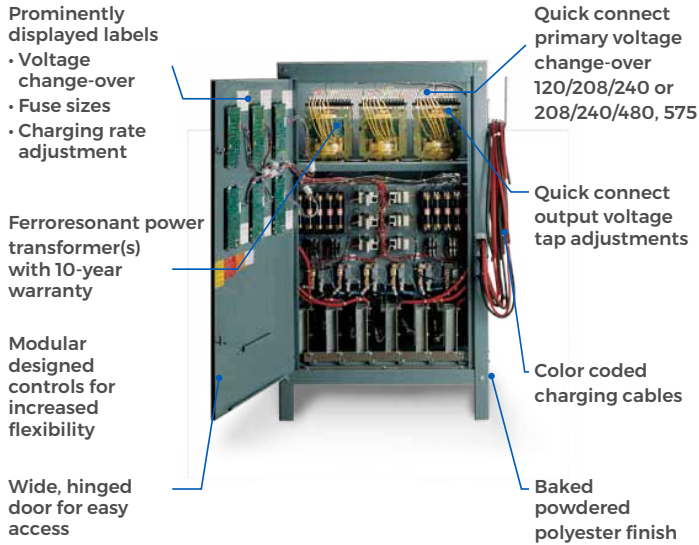
**MULTIPLE CIRCUIT ACCU-CHARGER MODELS**

Application		Output	Model Number/A.C. Input Amperes/3 Phase (208/204/480, 575 volts)/Approximate Shipping Weight					
Number Battery Cell	Recommended battery ampere-hour range for 8 hour charge	DC output amps @ 2.13 v/cell	2 circuit 3 phase in 1 cabinet	2 circuit 1 phase in 1 cabinet	3 circuit 1 phase in 1 cabinet	4 circuit 1 phase in 1 cabinet	5 circuit 1 phase in 1 cabinet	6 circuit 1 phase in 1 cabinet
6	0 - 250	50		<b>250D3-6S2</b> 8/7/3.5, 3 A, 380 lb	<b>250D3-6S3</b> 8/7/3.5, 3 A, 430 lb	<b>250D3-6S4</b> 12/10.5/5, 4.5 A, 470 lb	<b>250E3-6S5</b> 16/14/7, 6 A, 605 lb	<b>250E3-6S6</b> 16/14/7, 6 A, 650 lb
6	251 - 380	76		<b>380D3-6S2</b> 13/11.5/6, 5 A, 405 lb	<b>380D3-6S3</b> 13/11.5/6, 5 A, 465 lb	<b>380D3-6S4</b> 20/18/9, 8 A, 525 lb	<b>380E3-6S5</b> 27/23/12, 10 A, 665 lb	<b>380E3-6S6</b> 27/23/12, 10 A, 725 lb
6	381 - 450	90		<b>450D3-6S2</b> 16/14/7, 6 A, 420 lb	<b>450D3-6S3</b> 16/14/7, 6 A, 485 lb	<b>450D3-6S4</b> 24/21/10.5, 9 A, 550 lb	<b>450E3-6S5</b> 31/27/14, 11 A, 695 lb	<b>450E3-6S6</b> 31/27/14, 11 A, 755 lb
6	451 - 510	102		<b>510D3-6S2</b> 19/16/8, 7 A, 430 lb	<b>510D3-6S3</b> 19/16/8, 7 A, 505 lb	<b>510D3-6S4</b> 29/25/12, 10 A, 575 lb	<b>510E3-6S5</b> 37/32/16, 14 A, 730 lb	<b>510E3-6S6</b> 37/32/16, 14 A, 795 lb
6	511 - 600	120	<b>600E3-6T2</b> 13/11/6, 5 A, 570 lb	<b>600D3-6S2</b> 20/17.5/9, 7 A, 450 lb	<b>600D3-6S3</b> 20/17.5/9, 7 A, 525 lb	<b>600D3-6S4</b> 31/27/14, 11 A, 605 lb	<b>600E3-6S5</b> 40/35/18, 15 A, 770 lb	<b>600E3-6S6</b> 40/35/18, 15 A, 850 lb
6	601 - 750	150	<b>750E3-6T2</b> 15/13/7, 6 A, 670 lb	<b>750D3-6S2</b> 25/22/11, 9 A, 455 lb	<b>750D3-6S3</b> 25/22/11, 9 A, 530 lb	<b>750D3-6S4</b> 39/34/17, 14 A, 610 lb	<b>750E3-6S5</b> 50/44/22, 18 A, 775 lb	<b>750E3-6S6</b> 50/44/22, 18 A, 870 lb
6	751 - 880	176	<b>880E3-6T2</b> 18/16/8, 7 A, 675 lb	<b>880D3-6S2</b> 31/27/14, 11 A, 495 lb	<b>880D3-6S3</b> 31/27/14, 11 A, 600 lb	<b>880D3-6S4</b> 47/41/21, 17 A, 705 lb	<b>880E3-6S5</b> 62/54/27, 22 A, 810 lb	<b>880E3-6S6</b> 62/54/27, 22 A, 915 lb
6	881 - 1,050	210	<b>1050E3-6T2</b> 21/18/9, 8 A, 685 lb					
12	0 - 250	50		<b>250D3-12S2</b> 17/15/7, 6 A, 405 lb	<b>250D3-12S3</b> 17/15/7, 6 A, 460 lb	<b>250D3-12S4</b> 25/22/11, 9 A, 520 lb	<b>250E3-12S5</b> 34/30/15, 12 A, 660 lb	<b>250E3-12S6</b> 34/30/15, 12 A, 720 lb
12	251 - 380	76		<b>380E3-12T2</b> 14/12/6, 5 A, 720 lb	<b>380D3-12S2</b> 22/19/10, 8 A, 475 lb	<b>380D3-12S3</b> 22/19/10, 8 A, 540 lb	<b>380D3-12S4</b> 34/29/15, 12 A, 650 lb	<b>380E3-12S6</b> 51/44/22, 18 A, 830 lb
12	381 - 450	90		<b>450E3-12T2</b> 17/15/7, 6 A, 675 lb	<b>450D3-12S2</b> 28/24/12, 10 A, 490 lb	<b>450D3-12S3</b> 28/24/12, 10 A, 570 lb	<b>450D3-12S4</b> 43/37/19, 16 A, 670 lb	<b>450E3-12S6</b> 58/50/25, 21 A, 945 lb
12	451 - 510	102		<b>510E3-12T2</b> 19/16/8, 7 A, 680 lb	<b>510D3-12S2</b> 33/29/14, 12 A, 510 lb	<b>510D3-12S3</b> 33/29/14, 12 A, 585 lb	<b>510D3-12S4</b> 50/44/22, 18 A, 690 lb	<b>510E3-12S6</b> 66/57/28, 24 A, 975 lb
12	511 - 600	120		<b>600E3-12T2</b> 23/20/10, 8 A, 680 lb	<b>600D3-12S2</b> 40/34/17, 14 A, 525 lb	<b>600D3-12S3</b> 39/33/17, 14 A, 620 lb	<b>600D3-12S4</b> 59/51/26, 22 A, 730 lb	<b>600E3-12S6</b> 76/66/33, 27 A, 1,040 lb
12	601 - 750	150		<b>750E3-12T2</b> 30/26/13, 11 A, 690 lb	<b>750D3-12S2</b> 51/44/22, 18 A, 545 lb	<b>750D3-12S3</b> 51/44/22, 18 A, 730 lb	<b>750D3-12S4</b> 72/62/31, 26 A, 830 lb	<b>750E3-12S6</b> 94/82/41, 34 A, 1,145 lb
12	751 - 880	176		<b>880E3-12T2</b> 36/31/16, 13 A, 695 lb	<b>880D3-12S2</b> 59/51/26, 22 A, 545 lb	<b>880D3-12S3</b> 59/51/26, 22 A, 745 lb	<b>880D3-12S4</b> 89/78/39, 32 A, 835 lb	<b>880E3-12S6</b> 120/104/52, 43 A, 1,075 lb
12	881 - 1,050	210		<b>1050E3-12T2</b> 43/37/19, 16 A, 720 lb				
12	1,051 - 1,200	240		<b>1200E3-12T2</b> 44/38/19, 16 A, 800 lb				
12	1,201 - 1,400	280		<b>1400E3-12T2</b> 52/45/23, 19 A, 900 lb				
18	0 - 250	50		<b>250D3-18S2</b> 23/20/10, 8 A, 475 lb	<b>250D3-18S3</b> 23/20/10, 8 A, 540 lb	<b>250D3-18S4</b> 34/30/15, 12 A, 650 lb	<b>250E3-18S5</b> 45/39/19, 16 A, 830 lb	<b>250E3-18S6</b> 45/39/19, 17 A, 920 lb
18	251 - 380	76		<b>380E3-18T2</b> 21/19/10, 8 A, 670 lb	<b>380D3-18S2</b> 35/30/15, 13 A, 490 lb	<b>380D3-18S3</b> 35/30/15, 13 A, 570 lb	<b>380D3-18S4</b> 53/46/23, 19 A, 660 lb	<b>380E3-18S6</b> 70/60/30, 25 A, 945 lb
18	381 - 450	90		<b>450E3-18T2</b> 27/23/12, 10 A, 675 lb	<b>450D3-18S2</b> 43/37/19, 16 A, 530 lb	<b>450D3-18S3</b> 43/37/19, 16 A, 625 lb	<b>450D3-18S4</b> 65/57/28, 24 A, 735 lb	<b>450E3-18S6</b> 86/74/37, 31 A, 1,045 lb
18	451 - 510	102		<b>510E3-18T2</b> 32/28/14, 12 A, 680 lb	<b>510D3-18S2</b> 48/42/21, 17 A, 540 lb	<b>510D3-18S3</b> 48/42/21, 17 A, 650 lb	<b>510D3-18S4</b> 73/63/32, 26 A, 770 lb	<b>510E3-18S6</b> 95/83/42, 35 A, 970 lb
18	511 - 600	120		<b>600E3-18T2</b> 35/30/15, 13 A, 720 lb	<b>600D3-18S2</b> 54/47/24, 20 A, 695 lb	<b>600D3-18S3</b> 54/47/24, 20 A, 805 lb	<b>600D3-18S4</b> 83/69/33/47, 28.9 A, 925 lb	<b>600E3-18S6</b> 109/94/47, 40 A, 1,100 lb
18	601 - 750	150		<b>750E3-18T2</b> 46/40/20, 17 A, 730 lb	<b>750D3-18S2</b> 68/63/4/31.7, 25 A, 765 lb	<b>750D3-18S3</b> 68/59/30, 25 A, 905 lb	<b>750E3-18S4</b> 104/97/48.7, 41A, 1,045 lb	<b>750E3-18S6</b> NA/120/60, 50 A, 1,260 lb
18	751 - 880	176		<b>880E3-18T2</b> 49/42/21, 18 A, 800 lb				
18	881 - 965	193		<b>965E3-18T2</b> 52/45/23, 19 A, 900 lb				
18	966 - 1,050	210		<b>1050E3-18T2</b> 58/51/25, 21 A, 905 lb				
18	1,051 - 1,200	240		<b>1200E3-18T2</b> 68/59/29, 24 A, 910 lb				
18	1,201 - 1,400	280		<b>1400E3-18T2F</b> 84/73/56, 30 A, 1,105 lb				
18	1,401 - 1,600	320		<b>1600E3-18T2F</b> 88/44/37, 32 A, 1,165 lb				
24	0 - 250	50		<b>250E3-24T2</b> 18/16/8, 8 A, 680 lb	<b>250D3-24S2</b> 31/27/14, 11 A, 490 lb	<b>250D3-24S3</b> 31/27/14, 11 A, 585 lb	<b>250D3-24S4</b> 46/40/20, 17 A, 690 lb	<b>250E3-24S6</b> 62/54/27, 22 A, 875 lb
24	251 - 380	76		<b>380E3-24T2</b> 28/24/12, 10 A, 720 lb	<b>380D3-24S2</b> 44/38/19, 16 A, 700 lb	<b>380D3-24S3</b> 44/38/19, 16 A, 780 lb	<b>380D3-24S4</b> 67/58/29, 24 A, 900 lb	<b>380E3-24S6</b> 87/76/38, 32 A, 1,005 lb
24	381 - 450	90		<b>450E3-24T2</b> 34/30/15, 12 A, 725 lb	<b>450D3-24S2</b> 55/48/24, 20 A, 710 lb	<b>450D3-24S3</b> 55/48/24, 20 A, 790 lb	<b>450D3-24S4</b> 84/73/36, 30 A, 910 lb	<b>450E3-24S6</b> 110/95/48, 40 A, 1,020 lb
24	451 - 510	102			<b>510D3-24S2</b> 73/64/32, 27 A, 715 lb	<b>510D3-24S3</b> 73/64/32, 27 A, 845 lb	<b>510D3-24S4</b> 112/97/49, 41 A, 975 lb	<b>510E3-24S6</b> NA/128/64, 53 A, 1,100 lb
24	511 - 600	120		<b>600E3-24T2</b> 46/40/20, 16 A, 730 lb	<b>600D3-24S2</b> 79/68/34, 29 A, 750 lb	<b>600D3-24S3</b> 79/68/34, 29 A, 885 lb	<b>600E3-24S4</b> 120/104/52, 44 A, 1,020 lb	<b>600E3-24S6</b> NA/136/68, 57 A, 1,200 lb
24	601 - 750	150		<b>750E3-24T2</b> 56/49/24, 20 A, 790 lb				
24	751 - 880	176		<b>880E3-24T2</b> 70/61/30, 25 A, 900 lb				
24	881 - 965	193		<b>965E3-24T2</b> 74/64/32, 27 A, 935 lb				
24	966 - 1,050	210		<b>1050E3-24T2F</b> 83/72/56, 30 A, 940 lb				
24	1,051 - 1,200	240		<b>1200E3-24T2F</b> 88/77/58, 32 A, 1,110 lb				
24	1,201 - 1,400	280		<b>1400E3-24T2F</b> 107/93/47, 39 A, 1,115 lb				
36	0 - 250	50		<b>250E3-36T2</b> 28/24/12, 10 A, 665 lb				
36	251 - 380	76		<b>380E3-36T2</b> 44/38/19, 16 A, 785 lb				
36	381 - 450	90		<b>450E3-36T2</b> 52/45/22, 19 A, 790 lb				
36	451 - 600	120		<b>600E3-36T2</b> 65/56/28, 24 A, 895 lb				
36	601 - 750	150		<b>750E3-36T2F</b> 88/76/58, 32 A, 915 lb				
36	751 - 880	176		<b>880E3-36T2F</b> 98/85/42, 35 A, 1,125 lb				
36	881 - 965	193		<b>965E3-36T2F</b> 111/96/48, 40 A, 1,145 lb				
40	451 - 510	102		<b>510E3-40T2</b> 62/54/27, 22 A, 890 lb				
40	511 - 600	120		<b>600E3-40T2</b> 74/64/32, 27 A, 900 lb				
40	601 - 750	150		<b>750E3-40T2F</b> 92/80/40, 33 A, 1,125 lb				
40	751 - 880	176		<b>880E3-40T2F</b> 109/94/47, 40 A, 1,145 lb				

**NOTE 1:** Contact us for availability on non-standard voltages, 50 Hertz chargers or special applications.  
**NOTE 2:** Not all options are available for models listed, contact factory for availability.  
**NOTE 3:** "F" suffix at end of model number indicates charger is equipped with a cooling fan and hood.

**Case Dimensions (Width X Height X Depth)**  
**See 4th or 5th digit of model number**  
 "D" case 25 X 60 X 25 in 635 X 1,524 X 635 mm  
 "E" case 35 X 60 X 25 in 889 X 1,524 X 635 mm  
 "E" case with fan hood 35 X 67 X 25 in 889 X 1,702 X 635 mm

**Options**  
**001:** Standard and non-standard charging connectors and extra length output cable in 5 ft. increments --not to exceed 20 ft. total. See data sheet 1311.  
**002:** Parallel charging cables for charging two batteries of same cell and A-H capacity in parallel. See data sheet 1311.  
**003:** Series charging cable for charging two batteries of same cell and A-H capacity in series. See data sheet 1311.  
**500:** Flange mounted fusible disconnect switch.



#### More power per cubic foot

The Multi-Circuit packs more power into each cubic foot than individual chargers. One 6-circuit charger provides nearly 28 kW of peak output power while taking up only 30 cubic feet of warehouse space, 11 cubic feet less than that required for six comparable individual chargers.

#### Save on installation

Installing multiple chargers requires an electrician to install an AC drop for each one, but the Multi Circuit only requires one AC Drop. Having multiple chargers incorporated into one system can help cut installation and material costs.

### Maximum Performance

- Available with a minimum of two circuits and up to a maximum of six. These circuits operate independent of each other while charging up to six batteries. When equipped with automatic start/stop controls, each battery is charged according to its own depth of discharge allowing batteries with varying depths of discharge to be charged simultaneously. Each circuit is protected by its own set of AC input fuses so that the loss of a fuse in one circuit does not disrupt service in the rest.
- Multi Circuit Accu-Charger is rated to recharge a 100% discharged battery in its ampere-hour rating within 8 hours. The Multi Circuit Battery-Mate 80 charges an 80% discharged battery in 8 hours or less. 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.
- Minimize repair costs with our 10-year warranty on transformers and silicone diodes and 1-year warranty on all other components.
- 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 conveniently facilitates any required service.

#### WORLD HEADQUARTERS

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