

# **MULTIPLE CIRCUIT<sup>®</sup>** **Accu-Charger & Battery-Mate 80**

**Ferroresonant Industrial Battery Chargers**



## **The Quality Leader in Ferroresonant Industrial Chargers**

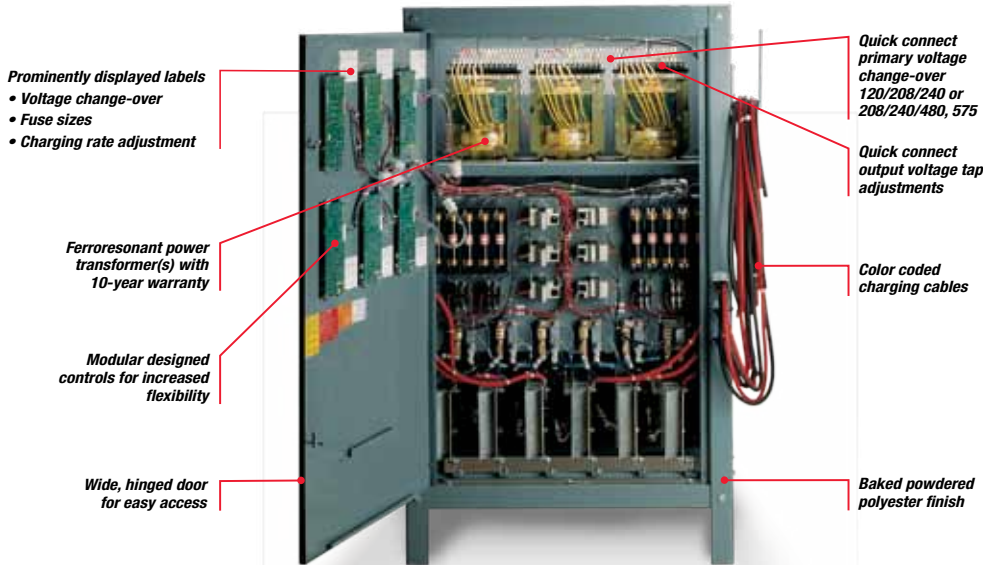
- Utilizes space efficiently – saves valuable floor space**
- Up to 6 independent charging circuits in one cabinet**
- One input line reduces installation costs**
- A choice of interchangeable controls for added flexibility**
- Quality-built for years of trouble-free service**
- Accu-Charger is 100% rated to recharge fully discharged batteries in 8 hours or less**
- Battery-Mate 80 charges 80% discharged batteries in 8 hours or less**
- 10 year transformer and diode warranty**
- UL and cUL listed**

**AMETEK<sup>®</sup>**  
PRESTOLITE POWER

# MULTIPLE CIRCUIT<sup>®</sup>

## Accu-Charger & Battery-Mate 80

**Compact & Powerful**



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-Link compatible		•
30 cycle archive		•
Cool down	•	•
Thermal runaway protection		•

For more charger control information, see the following:  
 AC1000 – Data sheet 1322  
 AC2000 – Data sheet 1320

### Designed for total efficiency

The Multiple-Circuit ("Multi-Circuit") is uniquely designed to allow efficient charging of up to six batteries simultaneously with only one compact unit. The Multi-Circuit holds up to six full-featured chargers and saves on floor space and installation costs without forfeiting any of the outstanding capabilities of a self-contained charger. Requiring only 30 cubic feet of space and one electrical input line, the Multi-Circuit facilitates the independent operation of multiple chargers, protecting each from other circuits housed in the same cabinet.

### Ratings

The Multi-Circuit Accu-Charger is rated to recharge a 100% discharged battery in its ampere-hour rating within eight hours. The Multi-Circuit Battery-Mate 80 charges 80% discharged batteries in eight hours or less.

### Interchangeable control design

The Multiple-Circuit charger allows for the quick and easy installation or removal of up to two different types of Prestolite 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, Multi-Circuit charging operations can be initiated and controlled by either of the following controls: AC1000 and AC2000.

### Automatic operation

After the battery is connected and the control is initiated, the Multi-Circuit will automatically start the charging operation. It will continue to charge the battery until the battery is fully charged at which time the Multi-Circuit will automatically terminate the operation.

### Efficient, low-cost operation

The Multi-Circuit's copper-wound, ferroresonant transformer is extremely efficient in converting AC input power to usable DC output power for low-cost operation.

### Easy AC voltage input changes

Conveniently located taps and quick-connect jumper permit AC input voltage changeovers to be completed in just minutes.

### Adjustable DC output

In rare instances where changes to the DC output might be required, the necessary adjustments are simple. Quick-connect jumpers are conveniently located for changing.

### Regulation

The Multi-Circuit 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.

### Battery/charger safeguards

The Multi-Circuit 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.

### Functional cabinet design

In addition to its space-saving size, the Multi-Circuit cabinet is constructed of heavy-gauge sheet metal and finished with a durable, powdered-polyester, baked finish. Its design provides direct access to the AC power connection points, conveniently facilitating any required service.

### Warranty

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

### Multiple independent charging circuits

The Multiple-Circuit charger is available with a minimum of two circuits and up to a maximum of six circuits. These circuits operate totally 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 all be charged simultaneously with one charger.

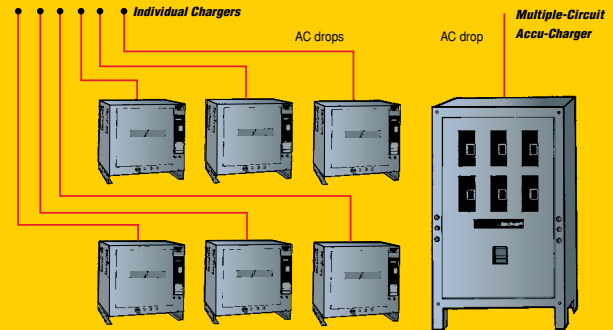
Each circuit is protected by its own set of AC input fuses so that the loss of a fuse in one circuit does not disrupt service in the remaining circuits.

### 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

Normally, six chargers would require an electrician to install six different AC drops or one for each charger. With the Multi-Circuit, only one AC drop is required – resulting in significant savings in installation costs.



### MULTIPLE-CIRCUIT BATTERY-MATE 80 MODELS

Application		Output	Model Number/A.C. Input Amperes/3 Phase (208/204/480, 575 volts)/Approximate Shipping Weight						
No. Battery Cell	Recommended battery ampere-hour range for 8 hour charge	DC output amps @ 2.13 w/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, 380LB	380D3-6S3M 10.7/9.3/4.7, 3.9, 430LB	380D3-6S4M 16.4/14.2/7.1, 5.9, 470LB	380E3-6S5M 21.5/18.6/9.3, 7.8, 605LB	380E3-6S6M 21.5/18.6/9.3, 7.8, 650LB
6	381-450	77			450D3-6S2M 12.8/11.1/5.6, 4.6, 405LB	450D3-6S3M 12.8/11.1/5.6, 4.6, 465LB	450D3-6S4M 19.6/17.8/5.4, 4.1, 525LB	450E3-6S5M 25.6/22.2/11.1, 9.3, 665LB	450E3-6S6M 25.6/22.2/11.1, 9.3, 725LB
6	451-510	87			510D3-6S2M 13.7/11.9/5.9, 4.9, 420LB	510D3-6S3M 13.7/11.9/5.9, 4.9, 485LB	510E3-6S4M 20.9/18.1/9.1, 7.6, 550LB	510E3-6S5M 27.4/23.7/11.9, 9.9, 695LB	510E3-6S6M 27.4/23.7/11.9, 9.9, 755LB
6	511-600	102	600E3-6T2M 10.6/9.2/4.6, 3.8, 545LB	600E3-6T3M 15.9/13.8/6.9, 5.7, 745LB	600D3-6S2M 17.7/15.3/7.7, 6.4, 430LB	600D3-6S3M 17.7/15.3/7.7, 6.4, 505LB	600D3-6S4M 27/23.4/11.7, 9.8, 575LB	600E3-6S5M 35.3/30.6/15.3, 12.8, 730LB	600E3-6S6M 35.3/30.6/15.3, 12.8, 795LB
12	0-250	43			250D3-12S2M 13.2/11.4/5.7, 4.8, 395LB	250D3-12S3M 13.2/11.4/5.7, 4.8, 445LB	250D3-12S4M 20.1/17.4/8.7, 7.3, 490LB	250E3-12S5M 26.3/22.8/11.4, 9.5, 630LB	250E3-12S6M 26.3/22.8/11.4, 9.5, 695LB
12	251-380	65			380D3-12S2M 21/18.2/9.1, 7.6, 405LB	380D3-12S3M 21/18.2/9.1, 7.6, 460LB	380D3-12S4M 32/27.7/13.9, 11.6, 520LB	380E3-12S5M 41.9/36.3/18.2, 15.2, 660LB	380E3-12S6M 41.9/36.3/18.2, 15.2, 720LB
12	381-450	77			450D3-12S2M 23.9/20.7/10.4, 8.6, 475LB	450D3-12S3M 23.9/20.7/10.4, 8.6, 540LB	450D3-12S4M 36.5/31.6/15.8, 13.2, 650LB	450E3-12S5M 47.8/41.4/20.7, 17.3, 830LB	450E3-12S6M 47.8/41.4/20.7, 17.3, 920LB
12	451-510	87	510E3-12T2M 17.8/15.6/7.8, 6.5, 630LB	510E3-12T3M 26.7/23.4/11.7, 9.8, 835LB	510D3-12S2M 27/23.4/11.7, 9.8, 490LB	510D3-12S3M 27/23.4/11.7, 9.8, 570LB	510D3-12S4M 41.3/35.8/17.9, 14.9, 670LB	510E3-12S5M 54/46.8/23.4, 19.5, 860LB	510E3-12S6M 54/46.8/23.4, 19.5, 945LB
12	511-600	102	600E3-12T2M 21.8/19.9/8.8, 6.5, 650LB	600E3-12T3M 32.7/28.5/14.4, 12, 915LB	600D3-12S2M 32/27.8/13.9, 11.6, 510LB	600D3-12S3M 32/27.8/13.9, 11.6, 585LB	600D3-12S4M 48.9/42.4/21.2, 17.7, 690LB	600E3-12S5M 64.1/55.5/27.8, 23.2, 875LB	600E3-12S6M 64.1/55.5/27.8, 23.2, 975LB
12	601-750	128	750E3-12T2M 25.4/22/11.2, 9.2, 690LB	750E3-12T3M 38.1/33/16.5, 13.8, 895LB	750D3-12S2M 43.6/37.8/18.9, 15.8, 525LB	750D3-12S3M 43.6/37.8/18.9, 15.8, 620LB	750D3-12S4M 66.7/57.8/28.9, 24.1, 730LB	750E3-12S5M 87.3/75.7/37.8, 31.6, 930LB	750E3-12S6M 87.3/75.7/37.8, 31.6, 1040LB
12	751-880	150	880E3-12T2M 30.4/26.6/13.2, 11, 785LB	880E3-12T3M 45.6/39.9/19.8, 16.5, 1045LB	880D3-12S2M 50.6/43.8/21.9, 18.3, 545LB	880D3-12S3M 50.6/43.8/21.9, 18.3, 730LB	880D3-12S4M 77.3/67/33.5, 27.9, 830LB	880E3-12S5M 101.1/87.7/43.8, 36.6, 1015LB	880E3-12S6MF 101.1/87.7/43.8, 36.6, 1145LB
12	881-965	164	965E3-12T2M 33.2/29/14.4, 12, 800LB	965E3-12T3M 49.8/43.5/21.6, 18, 995LB	965D3-12S2M 53.3/46.2/23.1, 19.3, 550LB	965D3-12S3M 53.3/46.2/23.1, 19.3, 745LB	965D3-12S4M 81.5/70.6/35.3, 29.5, 835LB	965E3-12S5MF 106.7/92.5/46.2, 38.6, 1075LB	965E3-12S6MF 106.7/92.5/46.2, 38.6, 1215LB
12	881-1050	179	1050E3-12T2M 35/30.4/15.2, 12.7, 870LB	1050E3-12T3M 52.5/45.5/22.8, 19, 1065LB					
12	1051-1260	214	1260E3-12T2M 42.6/37.2/18.6, 15.5, 905LB	1260E3-12T3M 63.9/55.4/27.7, 23.3, 1110LB					
18	451-510	87	510E3-18T2M 26/22.6/11.4, 9.4, 705LB	510E3-18T3M 39/33.8/16.9, 14.1, 910LB	510D3-18S2M 38.3/33.2/16.6, 13.8, 530LB	510D3-18S3M 38.3/33.2/16.6, 13.8, 625LB	510D3-18S4M 58.5/50.7/25.3, 21.2, 735LB	510E3-18S5M 76.6/66.3/33.2, 27.7, 930LB	510E3-18S6M 76.6/66.3/33.2, 27.7, 1045LB
18	511-600	102	600E3-18T2M 29.4/25.6/12.8, 10.7, 740LB	600E3-18T3M 44.1/38.2/19.1, 16, 935LB	600D3-18S2M 48.5/42/21, 17.5, 540LB	600D3-18S3M 48.5/42/21, 17.5, 650LB	600D3-18S4M 74.1/64.2/32.1, 26.8, 770LB	600E3-18S5M 97/84.1/42, 35.1, 970LB	600E3-18S6MF 97/84.1/42, 35.1, 1095LB
18	601-750	128	750E3-18T2M 36.4/31.6/15.8, 13.2, 895LB	750E3-18T3M 54.6/47.3/23.7, 19.8, 1145LB	750D3-18S2M 61.7/53.4/26.7, 22.3, 695LB	750D3-18S3M 61.7/53.4/26.7, 22.3, 805LB	750E3-18S4M 94.2/81.6/40.8, 34.1, 925LB		
18	751-880	150	880E3-18T2M 43.8/38/19, 15.9, 1015LB	880E3-18T3M 65.7/57/28.5, 23.8, 1210LB	880D3-18S2M 76.7/66.5/33.2, 27.8, 765LB	880D3-18S3M 76.7/66.5/33.2, 27.8, 905LB	880E3-18S4MF 117.2/101.6/50.8, 42.4, 1045LB		
18	881-965	164	965E3-18T2M 47/40.7/20.4, 17, 1065LB	965E3-18T3M 70.5/61.1/30.6, 25.5, 1260LB					
18	966-1050	179	1050E3-18T2M 51.6/44.7/22.4, 18.7, 1125LB	1050E3-18T3M 77.4/67.1/33.5, 28, 1320LB					
18	1051-1260	214	1260E3-18T2M 63.6/55.1/27.6, 23, 1120LB	1260E3-18T3M 95.4/82.7/41.3, 34.5, 1385LB					
24	251-380	65	380E3-24T2M 26.6/23.1/11.5, 9.6, 645LB	380E3-24T3M 39.9/34.6/17.3, 14.4, 840LB					
24	510-600	102	600E3-24T2M 37.6/32.6/16.3, 13.6, 935LB	600E3-24T3M 56.4/48.9/24.4, 20.4, 1130LB					
24	601-750	128	750E3-24T2M 48/41.6/20.8, 17.4, 985LB	750E3-24T3M 72/62.4/31.2, 26, 1180LB					
24	751-880	150	880E3-24T2M 54/46.8/23.4, 19.5, 1075LB	880E3-24T3MF 81/70.2/35.1, 29.3, 1270LB					
24	881-965	164	965E3-24T2M 62.2/53.9/27, 22.5, 1115LB	965E3-24T3MF 93.3/80.9/40.4, 33.8, 1310LB					
24	966-1050	179	1050E3-24T2M 70/60.7/30.3, 25.3, 1165LB	1050E3-24T3MF 105/91/45.5, 38, 1365LB					

**NOTE:**

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

**Case Dimensions**

SEE 4TH OR 5TH DIGIT OF MODEL NUMBER

	Width	Height	Depth
"D" case	25"	60"	25"
"E" case	35"	60"	25"
"E" case with fan hood	35"	67"	25"



#### MULTIPLE CIRCUIT ACCU-CHARGER MODELS

Application		Output	Model Number/A.C. Input Amperes/3 Phase (208/204/480, 575 volts)/Approximate Shipping Weight					
No. 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		25003-6S2 8/7/3.5, 3 A, 390LB	25003-6S3 8/7/3.5, 3 A, 430LB	25003-6S4 12/10.5/5, 4.5 A, 470LB	250E3-6S5 16/14/7, 6 A, 605LB	250E3-6S6 16/14/7, 6 A, 650LB
6	251-380	76		38003-6S2 13/11.5/6, 5 A, 405LB	38003-6S3 13/11.5/6, 5 A, 465LB	38003-6S4 20/18/9, 8 A, 525LB	380E3-6S5 27/23/12, 10 A, 665LB	380E3-6S6 27/23/12, 10 A, 725LB
6	381-450	90		45003-6S2 16/14/7, 6 A, 420LB	45003-6S3 16/14/7, 6 A, 485LB	45003-6S4 24/21/10.5, 9 A, 550LB	450E3-6S5 31/27/14, 11 A, 695LB	450E3-6S6 31/27/14, 11 A, 755LB
6	451-510	102		51003-6S2 19/16/8, 7 A, 430LB	51003-6S3 19/16/8, 7 A, 505LB	51003-6S4 29/25/12, 10 A, 575LB	510E3-6S5 37/32/16, 14 A, 730LB	510E3-6S6 37/32/16, 14 A, 795LB
6	511-600	120	600E3-6T2 13/11/6, 5 A, 570LB	60003-6S2 20/17.5/9, 7 A, 450LB	60003-6S3 20/17.5/9, 7 A, 525LB	60003-6S4 31/27/14, 11 A, 605LB	600E3-6S5 40/35/18, 15 A, 770LB	600E3-6S6 40/35/18, 15 A, 850LB
6	601-750	150	750E3-6T2 15/13/7, 6 A, 670LB	75003-6S2 25/22/11, 9 A, 455LB	75003-6S3 25/22/11, 9 A, 530LB	75003-6S4 39/34/17, 14 A, 610LB	750E3-6S5 50/44/22, 18 A, 775LB	750E3-6S6 50/44/22, 18 A, 870LB
6	751-880	176	880E3-6T2 18/16/8, 7 A, 675LB	88003-6S2 31/27/14, 11 A, 495LB	88003-6S3 31/27/14, 11 A, 600LB	88003-6S4 47/41/21, 17 A, 705LB	880E3-6S5 62/54/27, 22 A, 810LB	880E3-6S6 62/54/27, 22 A, 915LB
6	881-1050	210	1050E3-6T2 21/18/9, 8 A, 685LB					
12	0-250	50		25003-12S2 17/15/7, 6 A, 405LB	25003-12S3 17/15/7, 6 A, 460LB	25003-12S4 25/22/11, 9 A, 520LB	250E3-12S5 34/30/15, 12 A, 660LB	250E3-12S6 34/30/15, 12 A, 720LB
12	251-380	76	380E3-12T2 14/12/6, 5 A, 720LB	38003-12S2 22/19/10, 8 A, 475LB	38003-12S3 22/19/10, 8 A, 540LB	38003-12S4 34/29/15, 12 A, 650LB	380E3-12S5 51/44/22, 18 A, 830LB	380E3-12S6 51/44/22, 18 A, 920LB
12	381-450	90	450E3-12T2 17/15/7, 6 A, 675LB	45003-12S2 28/24/12, 10 A, 490LB	45003-12S3 28/24/12, 10 A, 570LB	45003-12S4 43/37/19, 16 A, 670LB	450E3-12S5 58/50/25, 21 A, 850LB	450E3-12S6 58/50/25, 21 A, 945LB
12	451-510	102	510E3-12T2 19/16/8, 7 A, 680LB	51003-12S2 33/29/14, 12 A, 510LB	51003-12S3 33/29/14, 12 A, 595LB	51003-12S4 50/44/22, 18 A, 690LB	510E3-12S5 66/57/28, 24 A, 875LB	510E3-12S6 66/57/28, 24 A, 975LB
12	511-600	120	600E3-12T2 23/20/10, 8 A, 680LB	60003-12S2 40/34/17, 14 A, 525LB	60003-12S3 39/33/17, 14 A, 620LB	60003-12S4 59/51/26, 22 A, 730LB	600E3-12S5 76/66/33, 27 A, 930LB	600E3-12S6 76/66/33, 27 A, 1040LB
12	601-750	150	750E3-12T2 30/26/13, 11 A, 690LB	75003-12S2 51/44/22, 18 A, 545LB	75003-12S3 51/44/22, 18 A, 730LB	75003-12S4 72/62/31, 26 A, 830LB	750E3-12S5 94/82/41, 34 A, 1015LB	750E3-12S6 94/82/41, 34 A, 1145LB
12	751-880	176	880E3-12T2 36/31/16, 13 A, 695LB	88003-12S2 59/51/26, 22 A, 545LB	88003-12S3 59/51/26, 22 A, 745LB	88003-12S4 89/78/39, 32 A, 835LB	880E3-12S5 120/104/52, 43 A, 1075LB	880E3-12S6 120/104/52, 43 A, 1215LB
12	881-1050	210	1050E3-12T2 43/37/19, 16 A, 720LB					
12	1051-1200	240	1200E3-12T2 44/38/19, 16 A, 800LB					
12	1201-1400	280	1400E3-12T2 52/45/23, 19 A, 900LB					
18	0-250	50		25003-18S2 23/20/10, 8 A, 475LB	25003-18S3 23/20/10, 8 A, 540LB	25003-18S4 34/30/15, 12 A, 650LB	250E3-18S5 45/39/19, 16 A, 830LB	250E3-18S6 45/39/19, 16 A, 920LB
18	251-380	76	380E3-18T2 21/19/10, 8 A, 670LB	38003-18S2 35/30/15, 13 A, 490LB	38003-18S3 35/30/15, 13 A, 570LB	38003-18S4 53/46/23, 19 A, 690LB	380E3-18S5 70/60/30, 25 A, 930LB	380E3-18S6 70/60/30, 25 A, 945LB
18	381-450	90	450E3-18T2 27/23/12, 10 A, 675LB	45003-18S2 43/37/19, 16 A, 530LB	45003-18S3 43/37/19, 16 A, 625LB	45003-18S4 65/57/28, 24 A, 735LB	450E3-18S5 86/74/37, 31 A, 930LB	450E3-18S6 86/74/37, 31 A, 1045LB
18	451-510	102	510E3-18T2 32/28/14, 12 A, 680LB	51003-18S2 48/42/21, 17 A, 540LB	51003-18S3 48/42/21, 17 A, 650LB	51003-18S4 73/63/32, 26 A, 770LB	510E3-18S5 95/83/42, 32 A, 907LB	510E3-18S6 95/83/42, 32 A, 1095LB
18	511-600	120	600E3-18T2 35/30/15, 13 A, 720LB	60003-18S2 54/47/24, 20 A, 695LB	60003-18S3 54/47/24, 20 A, 805LB	60003-18S4 83/69/33, 28.9 A, 925LB	600E3-18S5 109/94/47, 40 A, 1100LB	600E3-18S6 109/94/47, 40 A, 1225LB
18	601-750	150	750E3-18T2 46/40/20, 17 A, 730LB	75003-18S2 68/63/43, 25 A, 765LB	750E3-18S3 68/63/43, 25 A, 905LB	750E3-18S4 104/97/48, 41 A, 1045LB	750E3-18S5 NA/120/60, 50 A, 1260LB	750E3-18S6 NA/120/60, 50 A, 1390LB
18	751-880	176	880E3-18T2 49/42/21, 18 A, 800LB					
18	881-965	193	965E3-18T2 52/45/23, 19 A, 900LB					
18	966-1050	210	1050E3-18T2 58/51/23, 21 A, 905LB					
18	1051-1200	240	1200E3-18T2 68/59/23, 24 A, 910LB					
18	1201-1400	280	1400E3-18T2 84/73/36, 30 A, 1105LB					
18	1401-1600	320	1600E3-18T2 88/44/37, 32 A, 1165LB					
24	0-250	50		25003-24S2 18/16/8, 8 A, 680LB	25003-24S3 31/27/14, 11 A, 490LB	25003-24S4 46/40/20, 17 A, 690LB	250E3-24S5 62/54/27, 22 A, 875LB	250E3-24S6 62/54/27, 22 A, 975LB
24	251-380	76	380E3-24T2 28/24/12, 10 A, 720LB	38003-24S2 44/38/19, 16 A, 700LB	38003-24S3 44/38/19, 16 A, 780LB	38003-24S4 67/58/29, 24 A, 900LB	380E3-24S5 87/76/38, 32 A, 1005LB	380E3-24S6 87/76/38, 32 A, 1115LB
24	381-450	90	450E3-24T2 34/30/15, 12 A, 725LB	45003-24S2 55/48/24, 20 A, 710LB	45003-24S3 55/48/24, 20 A, 790LB	45003-24S4 84/73/36, 30 A, 910LB	450E3-24S5 110/95/48, 40 A, 1020LB	450E3-24S6 110/95/48, 40 A, 1140LB
24	451-510	102	510E3-24T2 43/37/19, 16 A, 730LB	51003-24S2 73/64/32, 27 A, 715LB	51003-24S3 73/64/32, 27 A, 845LB	51003-24S4 112/97/49, 41 A, 975LB	510E3-24S5 NA/120/64, 53 A, 1100LB	510E3-24S6 NA/120/64, 53 A, 1245LB
24	510-600	120	600E3-24T2 46/40/20, 16 A, 730LB	60003-24S2 79/68/34, 29 A, 750LB	60003-24S3 79/68/34, 29 A, 885LB	600E3-24S4 120/104/52, 44 A, 1020LB	600E3-24S5 NA/136/68, 57 A, 1200LB	600E3-24S6 NA/136/68, 57 A, 1345LB
24	601-750	150	750E3-24T2 56/49/24, 20 A, 790LB					
24	751-880	176	880E3-24T2 70/61/30, 25 A, 900LB					
24	881-965	193	965E3-24T2 74/64/32, 27 A, 935LB					
24	966-1050	210	1050E3-24T2 83/72/36, 30 A, 940LB					
24	1051-1200	240	1200E3-24T2 88/77/39, 32 A, 1110LB					
24	1201-1400	280	1400E3-24T2 107/93/47, 39 A, 1145LB					
36	0-250	50		25003-36T2 28/24/12, 10 A, 665LB				
36	251-380	76	380E3-36T2 44/38/19, 16 A, 785LB					
36	381-450	90	450E3-36T2 52/45/22, 19 A, 790LB					
36	451-600	120	600E3-36T2 65/56/28, 24 A, 895LB					
36	601-750	150	750E3-36T2 88/76/38, 32 A, 915LB					
36	751-880	176	880E3-36T2 98/85/42, 35 A, 1125LB					
36	881-965	193	965E3-36T2 111/96/48, 40 A, 1145LB					
40	451-510	102	510E3-40T2 62/54/27, 22 A, 890LB					
40	511-600	120	600E3-40T2 74/64/32, 27 A, 900LB					
40	601-750	150	750E3-40T2 92/80/40, 33 A, 1125LB					
40	751-880	176	880E3-40T2 109/94/47, 40 A, 1145LB					

**NOTE 1:** Contact factory 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

#### Height

#### Depth

SEE 4TH OR 5TH DIGIT OF MODEL NUMBER

"D" case	25"	60"	25"
"E" case	35"	60"	25"
"E" case with fan hood	35"	67"	25"

#### 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.

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