

ULTRA CHARGE AND ULTRA MAXX CHARGERS

SCR BATTERY CHARGERS

The Ultra series of chargers provide a constant current - constant voltage - constant current (I-E-I) charge curve to eliminate the possibility of overcharging and allows it to complete the charge at the proper current regardless of the battery's age or specific gravity. The Ultra Charge adapts to all battery types with 7 user-selected charge curve options and charges a 100% discharged battery in 8 hours or less. The Ultra Maxx is designed to fill the void between fast and conventional by offering opportunity charging during any reasonable down moment and charges batteries to 80% in 3 hours or less.

- The two-line display shows output volts, amps and amp hours returned during the charge cycle
- Archive function allows for easy review of last 99 cycles
- Designed to automatically compensate for battery operating temperatures
- Quality-built for little to no maintenance and years of dependable service
- UL and cUL listed and meets BCI standards



Maximum Performance

- The Ultra series of chargers cater to a variety of operations so that you can select the charger that is best for your application
 - Ultra Charge: Uses a variety of inputs, such as battery temperature, type and size to automatically adjust the output charge characteristics. This enables it to work well for harsh environments, like textile and carpet mills, trucking, foundry and cold storage warehousing.
 - Ultra Maxx: Charges for a short period of time at each available opportunity so batteries are sufficiently charged for a more efficient truck operation throughout the entire workday. For the best performance, the battery should receive a full charge once every 24 hours.
- For the best charging performance, utilize Prestolite Battery Identification Devices (BID) with your Ultra charger. A BID can automatically adjust its output to match the electrolyte temperature of the battery. Once a BID is connected to the battery, the charger will read the BID program information, which includes the ampere-hour rating, voltage, construction and electrolyte temperature. The output is regulated by the charger based on this information. The charger can adjust its output to match the battery's temperature or suspend the charge if the battery's temperature reaches a critical level.
- The Ultra Charge features Timer Start Mode, which allows override of the automatic start/stop feature by allowing manual selection of the desired charge time at the desired charge rate. Choose up to 23 hours and 59 minutes of extended charge time, ideal for equalizing batteries with mismatched cells or for recovering sulfate batteries.

Benefits

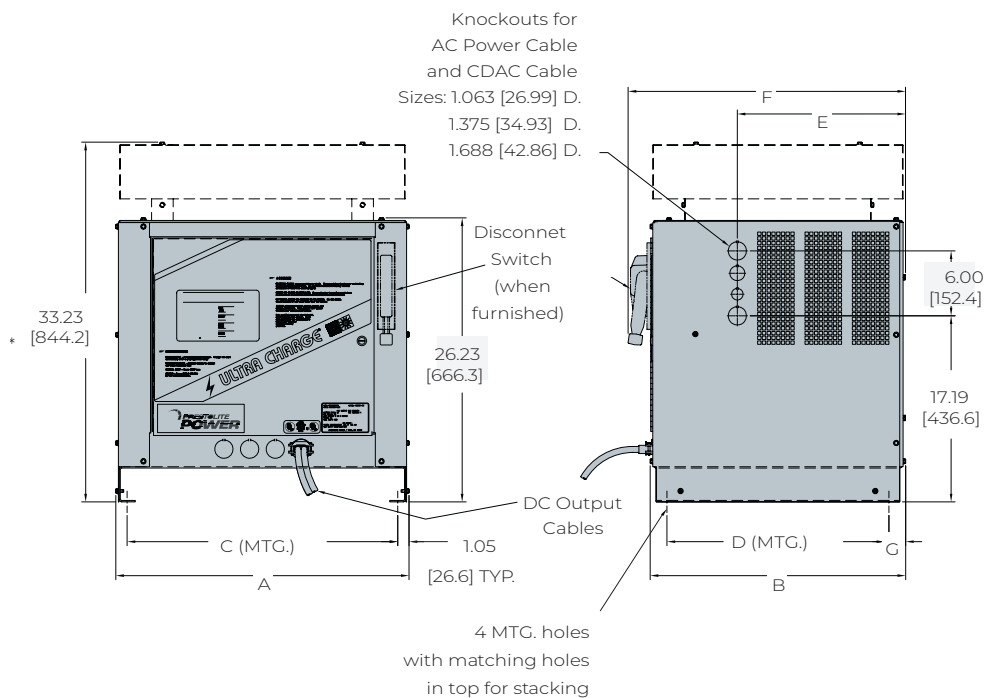
- UL and cUL listed and meets BCI requirements.
- Minimize repair costs with our 10-year original purchaser warranty on power transformers and silicon-controlled rectifiers, 3-year warranty on electronic PC boards and 1-year warranty on all other components.
- Keypad display allows one-touch access to charge cycle information, programming and equalize and features LEDs to indicate charge status.
- 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.

ULTRA CHARGE MODELS								
Application		Output	Model Number		AC Input Amperes		Approximate Weight	
Maximum A-H size in 8 hours	Cell size	DC output amperes	1-phase S case	3-phase T case	1-phase 60 Hz 208/240/480 VAC	3-phase 60 Hz 208/240/480/575 VAC	lb	kg
300	6, 9, 12	49	300S1-12		14/12/6		170	77
500	6, 9, 12	82	500S1-12		21/19/9		200	91
750	6, 9, 12	122	750S1-12		33/29/14		265	120
500	6, 9, 12	82		500T3-12		11/10/5/4	225	102
750	6, 9, 12	122		750T3-12		16/14/7/6	260	118
1,050	6, 9, 12	171		1050T3-12		22/19/10/8	285	129
600	6, 9, 12, 18	98	600S1-18		39/34/17		275	125
750	6, 9, 12, 18	122		750T3-18		27/24/12/10	285	129
1,050	6, 9, 12, 18	171		1050T3-18		31/27/14/11	325	147
1,200	6, 9, 12, 18	196		1200T3-18		41/35/18/15	340	154
1,400	6, 9, 12, 18	228		1400T3-18		42/36/18/15	365	166
500	6, 9, 12, 18, 24	82	500S1-24		41/36/18		285	129
650	6, 9, 12, 18, 24	106		650T3-24		27/24/12/10	285	129
750	6, 9, 12, 18, 24	122		750T3-24		34/29/15/12	320	145
1,050	6, 9, 12, 18, 24	171		1050T3-24		46/40/20/17	355	161
1,200	6, 9, 12, 18, 24	196		1200T3-24		48/42/21/17	415	188
550	12, 18, 24, 36, 40 ¹	90		550T3-40		42/36/18/15	405	184
850	12, 18, 24, 36, 40 ¹	139		850T3-40		NA/NA/29/24	455	206

¹ Control does not auto select between 36 and 40 cells

DIMENSIONS							
Cabinet Designation (Case)	A (width)	B (depth)	C (mtg.)	D (mtg.)	E (ko's)	F (disc. sw.)	G (mtg.)
S	21.47 [545.3]	20.47 [519.9]	19.38 [492.1]	17.75 [450.9]	12.54 [318.5]	22.50 [571.5]	1.36 [34.5]
T	27.09 [688.2]	23.59 [599.3]	25.00 [635.0]	20.50 [520.7]	15.54 [394.7]	25.63 [650.9]	1.55 [39.4]

S and T Case Height is the same.



*Outdoor enclosure only

ULTRA MAXX MODELS							
Application		DC output amperes	AC Input Amps	AC Input Volts	Model Number T case ¹	Approximate weight	
Maximum A-H Size	Cell size		3 PHASE 60 Hz 208/240/480, 575	See configuration below ³		lb	kg
680	6, 9, 12	171	22/19/10, 8	A,B	680T3-12UM	285	129
910	6, 9, 12	228	31.4/27.2/13.6, 11.4	A,B	910T3-12UM	330	150
680	6, 9, 12, 18	171	31/27/14, 11	A,B	680T3-18UM	310	141
785	6, 9, 12, 18	196	41/36/18, 15	A,B	785T3-18UM	340	154
910	6, 9, 12, 18	228	42/36/18, 15	A,B	910T3-18UM	365	166
1,045	6, 9, 12, 18	263	NA/42/21/17	B	1045T3-18UMF	380	172
1,270	6, 9, 12, 18	318	NA/NA/29/24	C	1270T3-18UMF	395	179
1,470	6, 9, 12, 18	368	NA/NA/30/25	C	1470T3-18UMF ²	440	200
1,600	6, 9, 12, 18	400	NA/NA/32/26.7	C	1600T3-18UMF ²	500	227
425	6, 9, 12, 18, 24	106	27/24/12, 10	A	425T3-24UM	275	125
680	6, 9, 12, 18, 24	171	46/40/20, 17	A,B	680T3-24UM	350	159
785	6, 9, 12, 18, 24	196	48/42/21, 17	A,B	785T3-24UM	400	181
910	6, 9, 12, 18, 24	228	NA/NA/27/22	C	910T3-24UMF	405	184
1,045	6, 9, 12, 18, 24	263	NA/NA/31/26	C	1045T3-24UMF	410	186
1,270	6, 9, 12, 18, 24	318	NA/NA/34/28	C	1270T3-24UMF	480	218
555	12, 18, 24, 36, 40	139	NA/NA/29/24	C	555T3-40UM	445	202
785	12, 18, 24, 36, 40	196	NA/NA/40/34	C	785T3-40UMF	475	215
910	12, 18, 24, 36, 40	228	NA/NA/43/36	C	910T3-40UMF	510	231

¹Models with an "F" suffix come equipped with a fan.

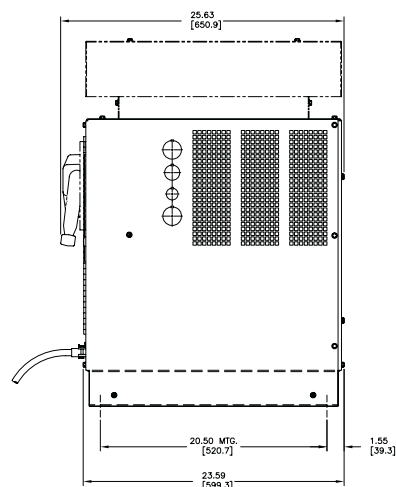
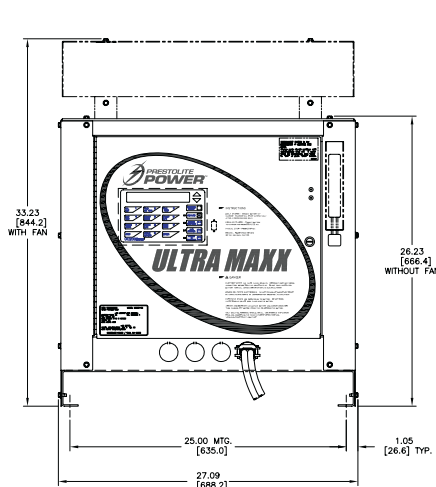
²Arcless Disconnect and dual cables required. Also requires an SBX or Euro Connector.

³When placing order, must provide battery profile for charger settings. AC Voltage configurations are:

A = 208/240/480

B = 240/480/575

C = 480/575



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