



# BLACK DIAMOND

## FERRO RESONANT CHARGE SYSTEM

GECI Black Diamond™ Fully Automatic Control Flux Chargers are designed to eliminate power dissipation and utilize a maximum productivity transformer to keep your fleet up and running efficiently.



- Fully Automatic
- Auto Start & Stop
- Fully Digital Display Charger
- Manual & Auto Equalize Options
- Auto Refresh
- Diagnostics Display
- Automatic Data Saving
- 10ft Standard Cable
- Push Button Recall
- Full Technical Support
- Control Board Fits All Models
- Tough Coat Finish
- Short Circuit and Overload Protection
- Re-enforced Corners Allow for Stacking
- Adjustable Gassing Points from 2.35-2.50
- Elapsed Time & Elapsed Time Memory



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## GECI Black Diamond™ Charger - Single Phase

DC volt Current AC 120/240/480 Single Phase	Part Number	Case Size	Popular Batteries	Recharge Range 8 hours 18% Start Rate	Amp Draw 120/240/480
24/40	12BD-0220-B1	*E5		0 220	8 / 7 / 3
24/60	12BD-0350-B1	*E6	12-85-7	220-350	11 / 10 / 5
24/80	12BD-0450-B1	*E6		350-450	15 / 13 / 7
24/100	12BD-0550-B1	A	12-85-13	450-550	19 / 17 / 8
24/120	12BD-0700-B1	A	12-85-15	550-700	23 / 20 / 10
24/140	12BD-0800-B1	A	12-125-13	700-800	27 / 23 / 12
24/160	12BD-0925-B1	A	12-125-15	800-925	30 / 26 / 13
36/60	18BD-0350-B1	*E6		220-350	17 / 15 / 7
36/80	18BD-0450-B1	*E6		350-450	23 / 20 / 10
36/100	18BD-0550-B1	A		450-550	29 / 25 / 12
36/120	18BD-0700-B1	A	18-85-17	550-700	34 / 30 / 15
36/140	18BD-0800-B1	A	18-85-19 18-125-13	700-800	40 / 35 / 17
36/160	18BD-0925-B1	A	18-85-21 18-125-15	800-925	46 / 40 / 20
48/50	24BD-0275-B1	*E6		220-275	19 / 17 / 8
48/60	24BD-0350-B1	A		275-350	23 / 20 / 10
48/80	24BD-0450-B1	A		350-450	30 / 26 / 13
48/100	24BD-0550-B1	A		450-550	38 / 33 / 17
48/120	24BD-0700-B1	A	24-85-17	550-700	46 / 40 / 20
48/140	24BD-0800-B1	A	24-85-19 24-125-13	700-800	53 / 46 / 23

Case Sizes Width x Depth x Height:  
A: 19.69" w x 14.17" d x 27.56" h  
B: 19.69" w x 17.72" d x 35.43" h

\*Plug-in Chargers - 120/240 only  
\*E5: 09.06" w x 08.09" d x 09.50" h  
\*E6: 09.06" w x 09.45" d x 09.06" h

AC voltage code in Model#: A: 120 - 240  
B: 120 - 240 - 480  
C: 208 - 240 - 480  
D: 480

## GECI Black Diamond™ Charger - 3 Phase

DC volt Current AC 120/240/480 3 Phase	Part Number	Case Size	Popular Batteries	Recharge Range 8 hours 18% Start Rate	Amp Draw 208/240/480
24/40	12BD-0220-C3	A		0 220	4 / 4 / 2
24/60	12BD-0350-C3	A	12-85-7	220-350	7 / 6 / 3
24/80	12BD-0450-C3	A		350-450	9 / 8 / 4
24/100	12BD-0550-C3	A	12-85-13	450-550	11 / 10 / 5
24/120	12BD-0700-C3	A	12-85-15	550-700	13 / 11 / 6
24/140	12BD-0800-C3	A	12-125-13	700-800	15 / 13 / 7
24/160	12BD-0925-C3	A	12-125-15	800-925	18 / 15 / 8
24/180	12BD-1000-C3	A	12-125-17	925-1000	20 / 17 / 9
24/200	12BD-1100-C3	A		1000-1100	22 / 19 / 10
24/220	12BD-1200-C3	A		1100-1200	24 / 21 / 11
24/240	12BD-1300-C3	A	12-125-19	1200-1300	26 / 23 / 11
36/60	18BD-0350-C3	A		220-350	10 / 9 / 4
36/80	18BD-0450-C3	A		350-450	13 / 11 / 6
36/100	18BD-0550-C3	A		450-550	17 / 14 / 7
36/120	18BD-0700-C3	A	18-85-17	550-700	20 / 17 / 9
36/140	18BD-0800-C3	A	18-85-19 18-125-13	700-800	23 / 20 / 10
36/160	18BD-0925-C3	A	18-85-21 18-125-15	800-925	26 / 23 / 11
36/180	18BD-1000-C3	A	18-85-23 18-125-17	925-1000	30 / 26 / 13
36/200	18BD-1100-C3	A	18-85-25	1000-1100	33 / 29 / 14
36/220	18BD-1200-C3	B	18-85-27	1100-1200	36 / 31 / 16
36/240	18BD-1300-C3	B	18-85-29	1200-1300	40 / 34 / 17
36/260	18BD-1450-C3	B	18-85-31	1300-1450	43 / 37 / 19
36/280	18BD-1600-C3	B	18-85-33	1450-1600	46 / 40 / 20
48/40	24BD-0220-C3	A		0 220	9 / 8 / 4
48/50	24BD-0275-C3	A		220-275	11 / 10 / 5
48/60	24BD-0350-C3	A		275-350	13 / 11 / 6
48/80	24BD-0450-C3	A		350-450	18 / 15 / 8
48/100	24BD-0550-C3	A		450-550	22 / 19 / 10
48/120	24BD-0700-C3	A	24-85-17	550-700	26 / 23 / 11
48/140	24BD-0800-C3	A	24-85-19 24-125-13	700-800	31 / 27 / 13
48/160	24BD-0925-C3	A	24-85-21 24-125-15	800-925	35 / 31 / 15
48/180	24BD-1000-C3	A	24-125-17	925-1000	40 / 34 / 17
48/200	24BD-1100-C3	A		1000-1100	44 / 38 / 19
48/220	24BD-1200-C3	B		1100-1200	48 / 42 / 21
48/240	24BD-1300-C3	B		1200-1300	53 / 46 / 23

Case Sizes Width x Depth x Height:  
A: 19.69" w x 14.17" d x 27.56" h  
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AC voltage code in Model#: A: 120 - 240  
B: 120 - 240 - 480  
C: 208 - 240 - 480  
D: 480

The recommended rate meets or exceeds 100% charge rate. Use the recharge range column to choose your model number of the charger required.  
The model number is the maximum size charger for the current output.