



44 South Commerce Way, Bethlehem, PA 18017

Series E / IE / C / CI (1 Phase)								
kW / kVA Size	Number of Batteries	Battery Model # / Battery Part #	Gallons of Electrolyte per System	Gallons of "Pure" Sulfuric Acid Per System	Gallons of Electrolyte per Battery	Gallons of "Pure" Sulfuric Acid per Battery	Battery Energy kWh per System	Hydrogen Evolution gassing on-float (ml/hr) per System
1.5K	4	BAT-CG12105*	5.16	1.2	1.29	0.3	5.04	8.4
2.25K	6	BAT-CG12105*	7.74	1.8	1.29	0.3	7.56	12.6
3.0K	8	BAT-CG12105*	10.32	2.4	1.29	0.3	10.08	16.8
3.75K	10	BAT-CG12105*	12.9	3	1.29	0.3	12.6	21
5.0K	12	BAT-CG12105*	15.48	3.6	1.29	0.3	15.12	25.2
6.0K	15	BAT-CG12105*	19.35	4.5	1.29	0.3	18.9	31.5
8.0K	20	BAT-CG12105*	25.8	6	1.29	0.3	25.2	42
10.0K	24	BAT-CG12105*	30.96	7.2	1.29	0.3	30.24	50.4
12.5K	30	BAT-CG12105*	38.7	9	1.29	0.3	37.8	63
16.7K	40	BAT-CG12105*	51.6	12	1.29	0.3	50.4	84

NOTE: Series E, IE and CIII system batteries are the same for standard units and OSHPD certified units

Series CIII (3 Phase)								
kW / kVA Size	Number of Batteries	Battery Model # / Battery Part #	Gallons of Electrolyte per System	Gallons of "Pure" Sulfuric Acid Per System	Gallons of Electrolyte per Battery	Gallons of "Pure" Sulfuric Acid per Battery	Battery Energy kWh per System	Hydrogen Evolution gassing on-float (ml/hr) per System
4.8K	12	BAT-CG12105*	15.48	3.6	1.29	0.3	15.12	25.2
6.0K	15	BAT-CG12105*	19.35	4.5	1.29	0.3	18.9	31.5
8.0K	20	BAT-CG12105*	25.8	6	1.29	0.3	25.2	42
10.0K	24	BAT-CG12105*	30.96	7.2	1.29	0.3	30.24	50.4
12.5K	30	BAT-CG12105*	38.7	9	1.29	0.3	37.8	63
16.7K	40	BAT-CG12105*	51.6	12	1.29	0.3	50.4	84
24.0K	60	BAT-CG12105*	77.4	18	1.29	0.3	75.6	126
33.0K	80	BAT-CG12105*	103.2	25.6	1.29	0.3	100.8	168
40.0K	100	BAT-CG12105*	129	30	1.29	0.3	126	210
50.0K	120	BAT-CG12105*	154.8	36	1.29	0.3	151.2	252

NOTE: Series E, IE and CIII system batteries are the same for standard units and OSHPD certified units

Series CM (1 Phase) OBSOLETE								
kW / kVA Size	Number of Batteries	Battery Model # / Battery Part #	Gallons of Electrolyte per System	Gallons of "Pure" Sulfuric Acid Per System	Gallons of Electrolyte per Battery	Gallons of "Pure" Sulfuric Acid per Battery	Battery Energy kWh per System	Hydrogen Evolution gassing on-float (ml/hr) per System
0.5K	4	BAT-CG12033*	1.56	0.44	0.39	0.11	1.584	2.8
1.0K	8	BAT-CG12033*	3.12	0.88	0.39	0.11	3.168	5.6
1.5K	12	BAT-CG12033*	4.68	1.32	0.39	0.11	4.752	8.4
2.0K	16	BAT-CG12033*	6.24	1.76	0.39	0.11	6.336	11.2

Series EM (1 Phase)								
kW / kVA Size	Number of Batteries	Battery Model # / Battery Part #	Gallons of Electrolyte per System	Gallons of "Pure" Sulfuric Acid Per System	Gallons of Electrolyte per Battery	Gallons of "Pure" Sulfuric Acid per Battery	Battery Energy kWh per System	Hydrogen Evolution gassing on-float (ml/hr) per System
1.0K	4	BAT-CG12055*	2.72	0.84	0.68	0.165	2.64	4.4
1.6K	6	BAT-CG12055*	4.08	0.88	0.68	0.165	3.96	6.6
2.2K	8	BAT-CG12055*	5.44	1.32	0.68	0.165	5.28	8.8
2.8K	10	BAT-CG12055*	6.8	1.76	0.68	0.165	6.6	11

Series LV (1 Phase)								
W / VA Size	Number of Batteries	Battery Model # / Battery Part #	Gallons of Electrolyte per System	Gallons of "Pure" Sulfuric Acid Per System	Gallons of Electrolyte per Battery	Gallons of "Pure" Sulfuric Acid per Battery	Battery Energy kWh per System	Hydrogen Evolution gassing on-float (ml/hr) per System
175	1	BAT-CG12033*	0.39	0.11	0.39	0.11	0.396	2.1
350	2	BAT-CG12033*	0.78	0.22	0.39	0.11	0.792	4.2
550	3	BAT-CG12033*	1.17	0.33	0.39	0.11	1.188	6.3
750	4	BAT-CG12033*	1.56	0.44	0.39	0.11	1.584	8.4

Supernova (1 Phase)								
kW / kVA Size	Number of Batteries	Battery Model # / Battery Part #	Gallons of Electrolyte per System	Gallons of "Pure" Sulfuric Acid Per System	Gallons of Electrolyte per Battery	Gallons of "Pure" Sulfuric Acid per Battery	Battery Energy kWh per System	Hydrogen Evolution gassing on-float (ml/hr) per System
1.75K	4	BAT-CG12105*	5.16	1.20	1.29	0.30	5.0	8.4
2.5K	4	BAT-CG12150*	8.64	2.31	2.16	0.58	7.7	12
3.75K	6	BAT-CG12150*	12.96	3.47	2.16	0.58	11.5	18
5.0K	8	BAT-CG12150*	17.28	4.63	2.16	0.58	15.4	24
6.25K	10	BAT-CG12150*	21.60	5.78	2.16	0.58	19.2	30
7.5K	12	BAT-CG12150*	25.92	6.94	2.16	0.58	23.0	36
10.0K	12	BAT-CG12180*	28.68	8.57	2.39	0.71	25.9	43.2
12.5K	15	BAT-CG12180*	35.85	10.71	2.39	0.71	32.4	54
16.7K	20	BAT-CG12180*	47.80	14.28	2.39	0.71	43.2	72

Hypernova (3 Phase)								
kW / kVA Size	Number of Batteries	Battery Model # / Battery Part #	Gallons of Electrolyte per System	Gallons of "Pure" Sulfuric Acid Per System	Gallons of Electrolyte per Battery	Gallons of "Pure" Sulfuric Acid per Battery	Battery Energy kWh per System	Hydrogen Evolution gassing on-float (ml/hr) per System
5.0K	12	BAT-CG12105*	15.48	3.60	1.29	0.30	15.1	25.2
7.5K	12	BAT-CG12150*	25.92	6.94	2.16	0.58	23.0	36
10.0K	12	BAT-CG12180*	28.68	8.57	2.39	0.71	25.9	43.2
12.5K	15	BAT-CG12180*	35.85	10.71	2.39	0.71	32.4	54
12.5K Custom	20	BAT-CG12150*	43.20	11.57	2.16	0.58	38.4	60
16.7K	20	BAT-CG12180*	47.80	14.28	2.39	0.71	43.2	72
16.7K Custom	20	BAT-CG12180*	47.80	14.28	2.39	0.71	43.2	72
25.0K	40	BAT-CG12150*	86.40	23.13	2.16	0.58	76.8	120
33.2K	40	BAT-CG12180*	95.60	28.57	2.39	0.71	86.4	144
37.5K	60	BAT-CG12150*	129.60	34.70	2.16	0.58	115.2	180
50.0K	60	BAT-CG12180*	143.40	42.85	2.39	0.71	129.6	216
50.0K(120min)	80	BAT-CG12180*	191.20	57.14	2.39	0.71	172.8	288