



Crown Battery Manufacturing

Phone (419)-334-7181

Various cell types 45 through 160 are listed on these pages

To calculate the acid content, example : Battery type 18-85-25

18 Cells
85 A.H. Plate
25 Plates per cell

Use the 85 A.H. cell chart below

18 Cells x 2.9 gallons/cell (electrolyte gallons) = 52.2 gallons @ 1.285 s.g.
18 cells x 0.7 gallons/cell (Pure Sulfuric gallons) = 12.6 gallons @ 1.835 s.g.

Cell Type	Dry Cell weight	Wet Cell weight	Trayed Cell weight	Electrolyte Gallons (1.285 s.g.)	Electrolyte (Lbs)	Pure Sulfuric Acid (Lbs)	Pure Sulfuric Acid (Gal) (1.835 s.g.)	Lead (Lbs)
45S-09	26	32	36	0.7	6.5	2.24	0.1	19.7
45S-11	31	39	42	0.8	7.9	2.74	0.2	24.1
45S-13	37	46	48	0.9	9.3	3.21	0.2	28.3
45S-15	43	53	56	1.1	10.8	3.73	0.2	32.9
45S-17	48	60	66	1.2	12.3	4.23	0.3	37.3
45S-19	54	68	74	1.4	13.7	4.73	0.3	41.7
45S-21	59	75	81	1.5	15.2	5.23	0.3	46.1
45S-23	65	82	89	1.7	16.6	5.72	0.4	50.5
45S-25	71	89	98	1.8	18.1	6.24	0.4	55.0
45S-27	76	96	108	1.9	19.5	6.72	0.4	59.2
45S-29	82	103	113	2.1	20.9	7.22	0.5	63.6
45S-31	88	110	130	2.2	22.4	7.72	0.5	68.0

55S-09	28	36	45	0.7	7.2	2.49	0.2	22.0
55S-11	35	43	49	0.9	8.8	3.04	0.2	26.8
55S-13	41	51	59	1.0	10.5	3.60	0.2	31.7
55S-15	47	59	73	1.2	12.0	4.15	0.3	36.6
55S-17	54	67	81	1.4	13.6	4.70	0.3	41.4
55S-19	60	75	92	1.5	15.2	5.23	0.3	46.1
55S-21	66	83	104	1.7	16.9	5.81	0.4	51.2
55S-23	72	91	114	1.8	18.5	6.36	0.4	56.1
55S-25	79	99	119	2.0	20.1	6.92	0.5	61.0
55S-27	85	107	131	2.2	21.7	7.47	0.5	65.9
55S-29	91	115	138	2.3	23.3	8.02	0.5	70.7
55S-31	98	123	150	2.5	24.9	8.58	0.6	75.6
55S-33	104	130	160	2.6	26.5	9.13	0.6	80.5

60S-05	18	22	28	0.4	4.0	1.51	0.1	13.3
60S-07	25	30	39	0.6	5.6	2.11	0.1	18.6
60S-09	32	39	51	0.7	7.2	2.71	0.2	23.9
60S-11	38	47	55	0.9	9.0	3.29	0.2	29.0
60S-13	45	55	60	1.0	10.0	3.85	0.3	33.9
60S-15	50	65	67	1.5	14.5	4.52	0.3	39.8
60S-17	60	73	78	1.3	13.1	5.12	0.3	45.1
60S-19	67	82	90	1.6	15.5	5.74	0.4	50.6
60S-21	74	93	100	1.9	18.5	6.48	0.4	57.1
60S-23	81	99	111	1.8	18.4	6.92	0.5	61.0

60S-25	88	108	117	2.0	20.0	7.53	0.5	66.3
60S-27	95	116	132	2.2	21.6	8.13	0.5	71.6
60S-29	102	125	143	2.3	23.2	8.73	0.6	76.9
60S-31	109	133	154	2.5	24.8	9.33	0.6	82.2
60S-33	116	142	165	2.6	26.4	9.93	0.7	87.6

65S-05	18	23	30	0.5	4.8	1.58	0.1	14.0
65S-07	25	32	41	0.7	6.7	2.22	0.1	19.6
65S-09	32	41	55	0.9	8.6	2.85	0.2	25.1
65S-11	39	50	60	1.1	10.5	3.49	0.2	30.7
65S-13	47	59	65	1.2	11.9	4.12	0.3	36.3
65S-15	54	68	72	1.4	14.4	4.75	0.3	41.9
65S-17	61	77	84	1.6	16.3	5.39	0.4	47.5
65S-19	68	86	95	1.8	18.0	6.02	0.4	53.1
65S-21	75	95	106	2.0	20.1	6.66	0.4	58.7
65S-23	82	104	117	2.2	22.0	7.29	0.5	64.2
65S-25	89	113	128	2.4	23.9	7.92	0.5	69.8
65S-27	96	122	139	2.6	25.9	8.56	0.6	75.4
65S-29	104	131	150	2.8	27.8	9.19	0.6	81.0
65S-31	111	140	161	3.0	29.7	9.82	0.7	86.6
65S-33	118	149	172	3.2	31.6	10.46	0.7	92.2

75S-05	22	28	34	0.6	6.0	1.96	0.1	17.3
75S-07	31	39	46	0.8	8.5	2.76	0.2	24.3
75S-09	40	50	60	1.1	10.8	3.53	0.2	31.1
75S-11	49	62	72	1.3	13.2	4.32	0.3	38.1
75S-13	61	71	85	1.1	10.5	4.97	0.3	43.8
75S-15	66	83	98	1.8	17.9	5.84	0.4	51.4
75S-17	75	96	112	2.1	20.5	6.69	0.4	58.9
75S-19	83	106	124	2.3	22.7	7.40	0.5	65.2
75S-21	93	119	137	2.6	25.5	8.30	0.5	73.1
75S-23	103	131	151	2.8	28.0	9.14	0.6	80.5
75S-25	111	153	165	4.2	42.0	10.68	0.7	94.1
75S-27	120	152	176	3.3	32.6	10.65	0.7	93.9
75S-29	128	162	186	3.5	34.8	11.37	0.8	100.2
75S-31	136	174	196	3.7	37.2	12.15	0.8	107.1
75S-33	145	185	212	4.0	39.6	12.94	0.9	114.0

85S-05	23	31	38	0.8	7.5	2.14	0.1	18.8
85S-07	33	41	50	0.8	8.0	2.87	0.2	25.3
85S-09	43	52	63	1.0	9.5	3.64	0.2	32.1
85S-11	52	65	78	1.3	12.5	4.52	0.3	39.8
85S-13	60	76	86	1.6	15.5	5.29	0.4	46.6
85S-15	71	87	101	1.6	15.5	6.06	0.4	53.4
85S-17	80	100	115	2.0	20.0	7.00	0.5	61.7
85S-19	90	114	129	2.4	24.0	7.98	0.5	70.3
85S-21	100	125	138	2.5	25.0	8.72	0.6	76.8
85S-23	110	137	156	2.8	27.5	9.59	0.6	84.5
85S-25	117	146	168	2.9	29.0	10.22	0.7	90.1
85S-27	127	164	181	3.7	37.0	11.45	0.8	100.9
85S-29	138	177	196	4.0	39.5	12.39	0.8	109.2
85S-31	148	186	208	3.8	38.0	13.02	0.9	114.8
85S-33	156	197	224	4.2	41.5	13.79	0.9	121.5

100S-05	28	34	48	0.6	6.3	2.37	0.2	20.9
100S-07	39	45	60	0.7	6.5	3.15	0.2	27.8
100S-09	50	60	72	1.1	10.5	4.20	0.3	37.0
100S-11	61	75	85	1.4	14.0	5.22	0.3	46.0
100S-13	71	89	104	1.8	17.5	6.20	0.4	54.6
100S-15	82	102	117	2.1	20.5	7.14	0.5	62.9
100S-17	94	118	133	2.4	24.0	8.26	0.5	72.8
100S-19	106	130	145	2.4	24.4	9.13	0.6	80.4
100S-21	116	143	158	2.7	26.5	9.98	0.7	87.9
100S-23	127	156	173	2.9	29.1	10.89	0.7	96.0
100S-25	137	175	187	3.8	38.0	12.25	0.8	108.0

100S-27	149	183	201	3.4	34.2	12.79	0.8	112.7
100S-29	160	196	215	3.7	36.7	13.73	0.9	121.0
100S-31	171	210	229	3.9	39.2	14.68	1.0	129.4
100S-33	182	223	243	4.2	41.7	15.63	1.0	137.7

125S-05	34	44	61	1.0	9.5	3.05	0.2	26.8
125S-07	50	58	73	0.8	8.1	4.07	0.3	35.8
125S-09	60	75	87	1.5	14.5	5.22	0.3	46.0
125S-11	74	91	105	1.7	16.5	6.34	0.4	55.8
125S-13	86	108	120	2.2	22.0	7.56	0.5	66.6
125S-15	99	125	140	2.6	26.0	8.72	0.6	76.8
125S-17	114	142	158	2.9	28.5	9.94	0.7	87.6
125S-19	125	158	178	3.3	32.7	11.04	0.7	97.3
125S-21	141	178	202	3.8	37.5	12.46	0.8	109.8
125S-23	153	197	221	4.4	44.0	13.79	0.9	121.5
125S-25	166	213	237	4.7	47.0	14.88	1.0	131.1
125S-27	180	224	253	4.5	44.6	15.69	1.0	138.3
125S-29	191	241	269	4.9	49.3	16.85	1.1	148.5
125S-31	205	257	285	5.3	52.7	18.01	1.2	158.8
125S-33	218	274	301	5.6	56.1	19.17	1.3	169.0

160S-05	46	58	86	1.2	11.9	4.06	0.3	35.8
160S-07	65	81	105	1.7	16.6	5.68	0.4	50.1
160S-09	83	104	125	2.1	21.3	7.31	0.5	64.4
160S-11	102	131	144	2.9	28.5	9.14	0.6	80.5
160S-13	119	148	163	2.9	29.0	10.36	0.7	91.3
160S-15	137	174	190	3.7	37.0	12.18	0.8	107.4
160S-17	157	194	210	3.7	37.0	13.58	0.9	119.7
160S-19	178	227	246	4.9	49.0	15.89	1.1	140.1
160S-21	194	246	272	5.2	52.2	17.22	1.1	151.8
160S-23	212	267	298	5.5	54.5	18.68	1.2	164.6
160S-25	231	290	320	5.9	59.3	20.30	1.3	178.9