

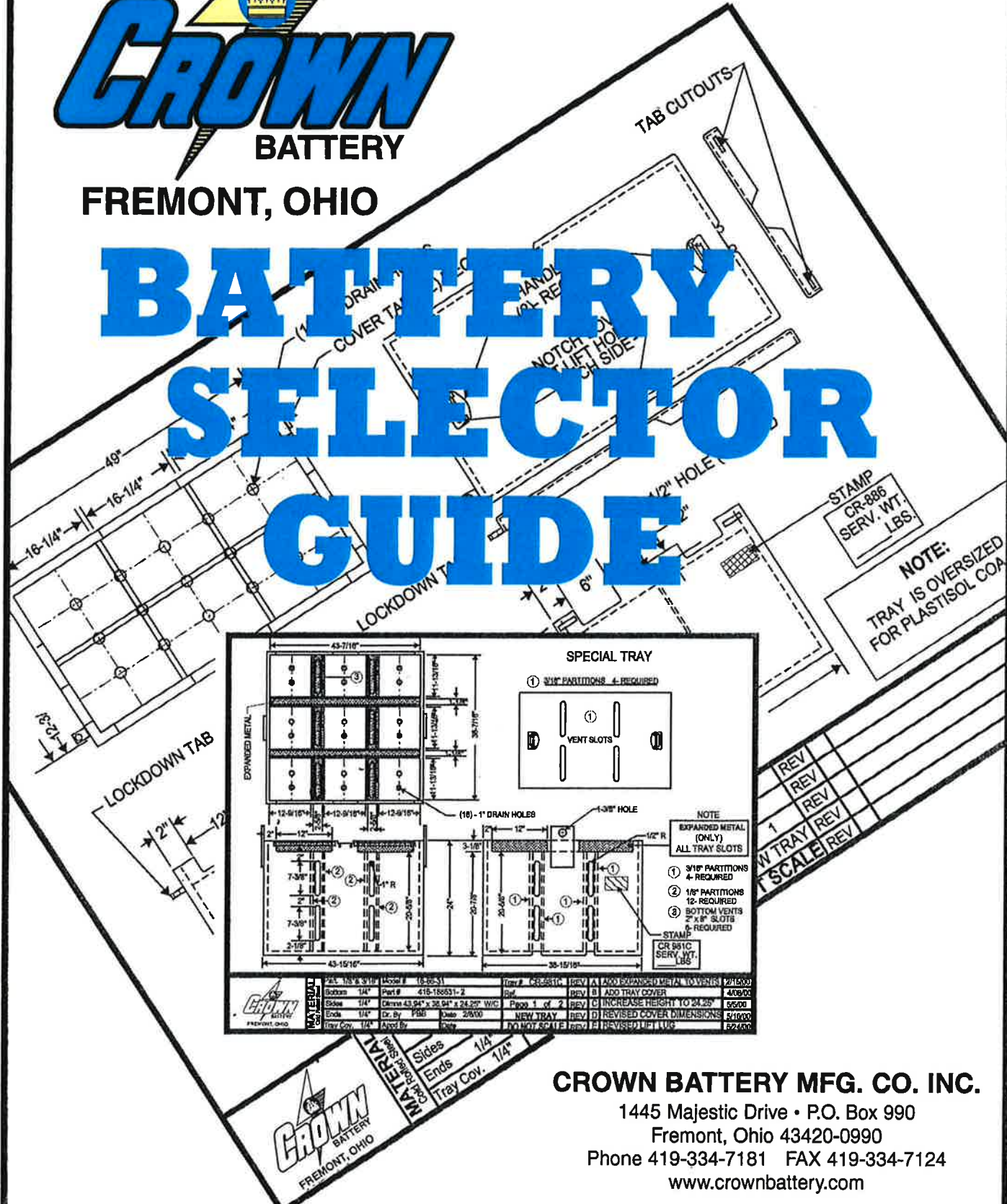


BATTERY

FREMONT, OHIO

**Only the Best,
All the Time.**

BATTERY SELECTOR GUIDE



STAMP
CR-886
SERV. WT.
LBS.

NOTE:
TRAY IS OVERSIZED
FOR PLASTISOL COA

SPECIAL TRAY

① 3/16" PARTITIONS 4-REQUIRED

① VENT SLOTS

NOTE
EXPANDED METAL (ONLY)
ALL TRAY SLOTS

① 3/16" PARTITIONS 4-REQUIRED
② 1/8" PARTITIONS 12-REQUIRED
③ BOTTOM VENTS 2" x 8" SLOTS 6-REQUIRED

STAMP
CR 981C
SERV. WT.
LBS.

MATERIAL	PAL 1/8" x 3/16"	Model #	18-28-51	Item #	CR-886	REV. A	ADD EXPANDED METAL TO VENTS	2/15/00
Substr	1/4"	Part #	416-186631-2	Rev.		REV. B	ADD TRAY COVER	4/09/02
Sides	1/4"	Drawn	43.94" x 35.94" x 24.25" W/C	Page	1 of 2	REV. C	INCREASE HEIGHT TO 24.25"	5/5/02
Ends	1/4"	Dr. By	P86	Date	2/8/00	REV. D	REVISED COVER DIMENSIONS	5/10/00
Tray Cov.	1/4"	App'd By		Date		REV. E	REVISED UP LUGS	5/24/00

1	REV	
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1	REV	
1	REV	



CROWN BATTERY MFG. CO. INC.
 1445 Majestic Drive • P.O. Box 990
 Fremont, Ohio 43420-0990
 Phone 419-334-7181 FAX 419-334-7124
 www.crownbattery.com

ORDERING SPECIFICATIONS

NUMBER OF BATTERIES _____

NUMBER OF CELLS PER BATTERY _____ PLATE SIZE _____ PLATES PER CELL _____

AMP HOUR CAPACITY _____ STEEL TRAY COVER – YES _____ NO _____

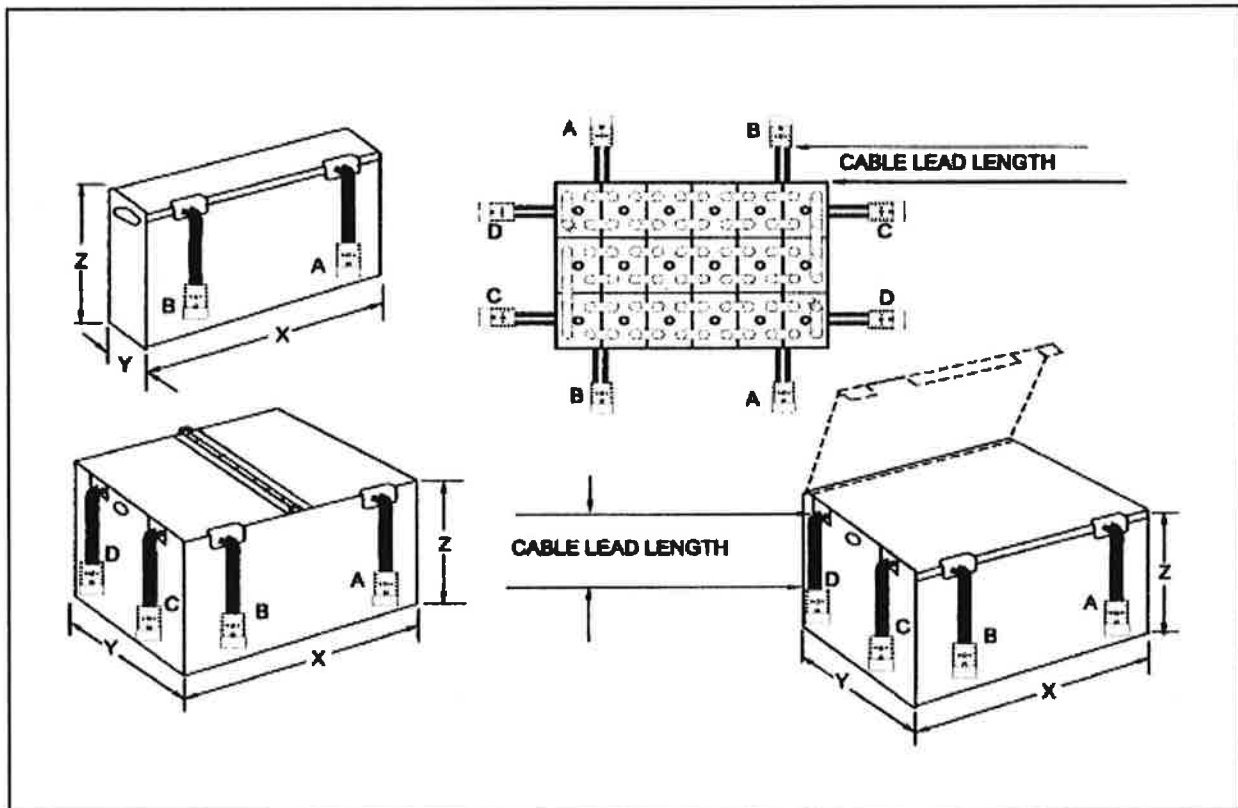
LIFT TRUCK COMPARTMENT SIZE LENGTH _____ WIDTH _____ HEIGHT _____

BATTERY TRY DIMENSIONS LENGTH _____ WIDTH _____ HEIGHT _____

CABLE POSITION A B C D (Circle One) CABLE LENGTH _____ CONNECTOR TYPE _____

SPECIAL INSTRUCTIONS _____

STANDARD CABLE POSITIONS



CROWN BATTERY

BATTERY SELECTOR GUIDE

BATTERY HEIGHTS

PLATE TYPE	BATTERY HEIGHT		STANDARD JAR HEIGHT
	WITHOUT COVER*	WITH COVER**	
45	15.00	15.63	13.00
55	17.63	18.38	15.75
60	17.63	18.38	15.75
65	18.63	19.12	16.63
75	22.88	23.25	20.50
85	22.88	23.25	20.50
90L	22.94	23.38	20.81
90	25.63	26.25	23.25
100	25.63	26.25	23.25
110	30.50	31.00	28.50
125	30.50	31.00	28.50
160	30.50	31.00	28.50

*** BATTERY HEIGHT IS MEASURED FROM THE BOTTOM OF THE TRAY TO THE TOP OF THE LIFTING EAR ON BATTERIES WITHOUT A COVER.**

**** BATTERY HEIGHT IS MEASURED FROM THE BOTTOM OF THE TRAY TO THE FLAT OF THE COVER ON BATTERIES WITH A COVER, ON BATTERIES WITH A COVER - OVERALL HEIGHT 1/2" HIGHER DUE TO HINGE.**

NOTE: BATTERY HEIGHTS CAN VARY DUE TO INDIVIDUAL REQUIREMENTS AND MATERIAL SPECIFICATIONS. CONSULT FACTORY FOR EXACT TRAY DIMENSIONS AND SPECIFICATIONS.





FREMONT, OHIO

CROWN BATTERY

DIMENSIONS--NARROW PLATE BATTERIES

PLATE TYPES - 45 - 55 - 65 - 75 - 85 - 90 - 100 - 110 - 125

NO. OF PLATES PER CELL	6 CELL 12 VOLT		9 CELL 18 VOLT		12 CELL 24 VOLT		15 CELL 30 VOLT		16 CELL 32 VOLT		18 CELL 36 VOLT		24 CELL 48 VOLT	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
5 CELL SIZE 6.19 W 2.00 L	12.38	6.50	---	---	24.88	7.63	---	---	---	---	18.81	12.69	---	---
	---	---	18.78	6.50	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	24.88	7.63	---	---	---	---	---	---	---	---
	---	---	---	---	18.88	8.38	---	---	---	---	---	---	---	---
7 CELL SIZE 6.19 W 2.75 L	16.75	6.50	---	---	33.50	6.50	---	---	---	---	25.44	12.75	---	---
	---	---	18.88	8.56	---	---	---	---	---	---	---	---	33.88	12.81
	17.00	6.50	---	---	25.38	8.56	---	---	---	---	22.63	15.63	---	---
	---	---	25.19	7.63	---	---	---	---	---	---	---	---	31.44	14.25
	12.69	8.56	---	---	---	---	---	---	---	---	19.19	17.12	28.25	15.56
	---	---	25.19	6.50	---	---	---	---	---	---	---	---	37.75	11.50
9 CELL SIZE 6.19 W 3.50 L	16.75	7.63	---	---	33.75	7.63	---	---	---	---	---	---	22.75	19.13
	21.50	6.50	---	---	37.63	7.31	---	---	25.44	18.00	---	---	---	---
	---	---	18.88	10.81	28.63	10.00	---	---	---	---	---	---	28.75	19.00
	21.50	7.63	---	---	25.38	10.81	---	---	---	---	21.88	19.06	---	---
	---	---	28.88	7.31	21.63	12.69	---	---	---	---	31.56	14.63	31.56	18.00
	---	---	---	---	18.88	17.50	---	---	---	---	21.50	19.38	37.75	14.50
11 CELL SIZE 6.19 W 4.25 L	---	---	---	---	---	---	---	---	---	---	37.88	10.94	41.25	13.63
	---	---	---	---	---	---	---	---	35.88	13.63	---	---	---	---
	26.13	7.63	---	---	31.94	10.75	---	---	---	---	34.75	15.19	37.75	17.63
	---	---	19.06	13.06	37.75	8.81	21.88	19.00	---	---	23.44	21.88	30.38	23.50
	26.00	6.50	---	---	26.00	12.69	---	---	25.38	17.44	37.88	13.19	26.13	25.38
	---	---	29.50	8.81	25.50	13.19	---	---	---	---	26.12	19.00	34.88	19.00
	18.88	8.81	---	---	---	---	---	---	---	---	37.75	15.44	31.56	21.88
	---	---	---	---	---	---	---	---	---	---	37.75	13.19	31.69	22.00
13 CELL SIZE 6.19 W 5.00 L	---	---	---	---	---	---	---	---	---	---	31.56	17.63	50.50	13.25
	---	---	---	---	---	---	---	---	---	---	34.75	17.12	---	---
	---	---	---	---	---	---	---	---	---	---	38.12	13.19	---	---
	30.63	7.63	---	---	30.63	12.69	---	---	---	---	37.88	15.44	---	---
	---	---	27.94	11.44	---	---	25.63	19.00	---	---	---	---	37.75	20.63
	30.63	6.50	---	---	35.63	11.63	---	---	25.38	20.63	45.81	12.94	30.63	25.38
	---	---	15.31	20.63	---	---	---	---	---	---	---	---	30.75	25.50
	15.31	12.69	---	---	20.63	19.00	---	---	---	---	30.63	19.00	37.75	20.50
---	---	25.50	12.69	---	---	---	---	---	---	---	---	43.63	20.63	
15.44	12.69	---	---	25.38	15.56	---	---	---	---	25.63	25.38	43.63	20.75	
---	---	30.25	10.44	---	---	---	---	---	---	---	---	46.12	18.00	
18.88	10.31	---	---	30.63	12.81	---	---	---	---	37.75	15.44	---	---	



FREMONT, OHIO

CROWN BATTERY

DIMENSIONS--NARROW PLATE BATTERIES

PLATE TYPES - 45 - 55 - 65 - 75 - 85 - 90 - 100 - 110 - 125

	6 CELL		9 CELL		12 CELL		15 CELL		16 CELL		18 CELL		24 CELL	
	12 VOLT		18 VOLT		24 VOLT		30 VOLT		32 VOLT		36 VOLT		48 VOLT	
NO. OF PLATES PER CELL	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
15 CELL SIZE 6.25 W 5.75 L	35.13	7.63	---	---	38.13	11.94	---	---	---	---	38.13	17.69	---	---
	---	---	29.38	12.81	35.13	12.94	31.88	17.88	---	---	35.13	19.19	38.13	23.63
	17.75	12.81	---	---	25.50	17.69	---	---	25.63	23.63	31.88	23.63	35.13	25.88
	---	---	---	---	23.63	19.19	29.38	19.19	---	---	29.38	25.63	31.88	29.38
17 CELL SIZE 6.25 W 6.50 L	---	---	33.13	12.81	---	---	33.13	19.19	---	---	38.13	20.13	---	---
	20.00	12.81	---	---	39.56	12.94	---	---	26.63	25.63	---	---	38.13	26.63
	---	---	---	---	38.13	13.44	31.88	20.13	---	---	31.88	26.63	---	---
	---	---	---	---	26.63	19.19	---	---	---	---	---	---	---	---
19 CELL SIZE 6.25 W 7.25 L	---	---	31.88	14.94	---	---	36.88	19.19	---	---	34.88	25.63	---	---
	38.00	7.56	---	---	38.13	14.94	---	---	29.63	25.63	36.88	25.63	38.13	29.63
	---	---	---	---	---	---	31.88	22.38	---	---	44.13	19.19	---	---
	---	---	---	---	29.63	19.19	---	---	---	---	31.88	28.63	---	---
21 CELL SIZE 6.25 W 8.00 L	22.25	12.81	---	---	---	---	---	---	---	---	38.13	22.38	---	---
	---	---	---	---	---	---	---	---	---	---	31.88	29.63	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
23 CELL SIZE 6.25 W 8.75 L	---	---	40.63	12.94	---	---	31.88	24.63	---	---	---	---	38.25	32.75
	24.50	12.94	---	---	38.13	16.44	---	---	---	---	48.63	19.31	---	---
	---	---	32.50	14.69	---	---	---	---	32.63	25.63	---	---	---	---
	---	---	---	---	25.63	24.63	---	---	---	---	38.13	24.56	---	---
23 CELL SIZE 6.25 W 8.75 L	---	---	---	---	32.63	19.19	---	---	---	---	31.88	30.88	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---	---	---
23 CELL SIZE 6.25 W 8.75 L	---	---	---	---	35.63	19.19	---	---	---	---	38.25	27.00	---	---
	26.88	12.94	---	---	---	---	31.88	26.88	---	---	---	---	38.25	35.75
	---	---	---	---	---	---	---	---	---	---	33.25	32.00	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---



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CROWN BATTERY

DIMENSIONS--NARROW PLATE BATTERIES

PLATE TYPES - 45 - 55 - 65 - 75 - 85 - 90 - 100 - 110 - 125

	6 CELL		9 CELL		12 CELL		15 CELL		16 CELL		18 CELL		24 CELL	
	12 VOLT		18 VOLT		24 VOLT		30 VOLT		32 VOLT		36 VOLT		48 VOLT	
NO. OF PLATES PER CELL	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
25 CELL SIZE 6.25 W 9.50 L	---	---	---	---	38.63	19.19	---	---	---	---	---	---	---	---
	29.13	12.94	---	---	---	---	---	---	---	---	---	---	38.75	38.25
	---	---	---	---	---	---	---	---	---	---	38.25	29.25	---	---
27 CELL SIZE 6.25 W 10.25 L	31.38	12.94	---	---	---	---	---	---	---	---	41.75	32.00	---	---
	---	---	---	---	---	---	31.88	31.38	---	---	---	---	41.75	38.25
	---	---	---	---	---	---	---	---	---	---	38.44	31.50	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	38.25	41.75
29 CELL SIZE 6.25 W 11.00 L	---	---	---	---	38.13	22.44	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	44.75	38.25
	---	---	---	---	33.63	25.63	---	---	---	---	38.44	33.75	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
31 CELL SIZE 6.25 W 11.75 L	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	47.75	38.25
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	38.44	36.00	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
33 CELL SIZE 6.25 W 12.50 L	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	38.44	38.25	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	38.25	38.44	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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FREMONT, OHIO

CROWN BATTERY

DIMENSIONS--WIDE PLATE BATTERIES

PLATE TYPES - 160

	6 CELL 12 VOLT		9 CELL 18 VOLT		12 CELL 24 VOLT		15 CELL 30 VOLT		16 CELL 32 VOLT		18 CELL 36 VOLT		24 CELL 48 VOLT	
NO. OF PLATES PER CELL	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
9 CELL SIZE 8.62 W 3.50 L	---	---	---	---	43.00	9.06	---	---	---	---	---	---	---	---
	---	---	32.13	9.00	---	---	---	---	---	---	---	---	---	---
	26.38	7.31	---	---	35.13	11.00	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
11 CELL SIZE 8.62 W 4.25 L	---	---	38.88	9.00	---	---	---	---	30.75	22.38	---	---	---	---
	26.00	8.94	---	---	35.13	13.19	---	---	---	---	26.31	26.50	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13 CELL SIZE 8.62 W 5.00 L	30.63	8.94	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	45.75	9.06	---	---	---	---	---	---	31.13	26.50	---	---
	---	---	---	---	35.13	15.44	---	---	---	---	---	---	---	---
	---	---	30.75	14.06	---	---	---	---	---	---	---	---	---	---
15 CELL SIZE 8.62 W 5.75 L	---	---	40.88	11.94	---	---	29.50	26.44	---	---	---	---	---	---
	26.50	11.94	---	---	35.25	17.94	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17 CELL SIZE 8.62 W 6.50 L	---	---	---	---	---	---	---	---	---	---	39.75	26.63	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19 CELL SIZE 8.62 W 7.25 L	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	44.44	17.56	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
21 CELL SIZE 8.62 W 8.00 L	---	---	---	---	---	---	---	---	---	---	48.94	26.50	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	49.38	26.94	---	---
	---	---	---	---	---	---	---	---	---	---	---	---	---	---

CAPACITY AND WEIGHTS SPECIFICATIONS

TYPE AND PLATES PER CELL	6HR. CAPACITY RATE		APPROX. TRAYED WEIGHT PER CELL
	AMP HOUR CAPACITY	K.W.H. PER CELL	
45S-09	180	0.349	36
45S-11	225	0.437	42
45S-13	270	0.524	48
45S-15	315	0.611	56
45S-17	360	0.698	66
45S-19	405	0.786	74
45S-21	450	0.873	81
45S-23	495	0.960	89
45S-25	540	1.048	98
45S-27	585	1.135	108
45S-29	630	1.222	113
45S-31	675	1.310	130
TYPE AND PLATES PER CELL	6HR. CAPACITY RATE		APPROX. TRAYED WEIGHT PER CELL
	AMP HOUR CAPACITY	K.W.H. PER CELL	
60S-05	120	0.233	28
60S-07	180	0.349	39
60S-09	240	0.466	51
60S-11	300	0.582	55
60S-13	360	0.698	60
60S-15	420	0.815	67
60S-17	480	0.931	78
60S-19	540	1.048	90
60S-21	600	1.164	100
60S-23	660	1.280	111
60S-25	720	1.397	117
60S-27	780	1.513	132
60S-29	840	1.630	143
60S-31	900	1.746	154
60S-33	960	1.862	165
TYPE AND PLATES PER CELL	6HR. CAPACITY RATE		APPROX. TRAYED WEIGHT PER CELL
	AMP HOUR CAPACITY	K.W.H. PER CELL	
75S-05	150	0.291	34
75S-07	225	0.437	46
75S-09	300	0.582	60
75S-11	375	0.728	72
75S-13	450	0.873	85
75S-15	525	1.019	98
75S-17	600	1.164	112
75S-19	675	1.310	124
75S-21	750	1.455	137
75S-23	825	1.601	151
75S-25	900	1.746	165
75S-27	975	1.892	176
75S-29	1050	2.037	186
75S-31	1125	2.183	196
75S-33	1200	2.328	212

TYPE AND PLATES PER CELL	6HR. CAPACITY RATE		APPROX. TRAYED WEIGHT PER CELL
	AMP HOUR CAPACITY	K.W.H. PER CELL	
55S-09	220	0.427	45
55S-11	275	0.534	49
55S-13	330	0.640	59
55S-15	385	0.747	73
55S-17	440	0.854	81
55S-19	495	0.960	92
55S-21	550	1.067	104
55S-23	605	1.174	114
55S-25	660	1.280	119
55S-27	715	1.387	131
55S-29	770	1.494	138
55S-31	825	1.601	150
55S-33	880	1.707	160
TYPE AND PLATES PER CELL	6HR. CAPACITY RATE		APPROX. TRAYED WEIGHT PER CELL
	AMP HOUR CAPACITY	K.W.H. PER CELL	
65S-05	130	0.252	30
65S-07	195	0.378	41
65S-09	260	0.504	55
65S-11	325	0.631	60
65S-13	390	0.757	65
65S-15	455	0.883	72
65S-17	520	1.009	84
65S-19	585	1.135	95
65S-21	650	1.261	106
65S-23	715	1.387	117
65S-25	780	1.513	128
65S-27	845	1.639	139
65S-29	910	1.765	150
65S-31	975	1.892	161
65S-33	1040	2.018	172
TYPE AND PLATES PER CELL	6HR. CAPACITY RATE		APPROX. TRAYED WEIGHT PER CELL
	AMP HOUR CAPACITY	K.W.H. PER CELL	
85S-05	170	0.330	38
85S-07	255	0.495	50
85S-09	340	0.660	63
85S-11	425	0.825	78
85S-13	510	0.989	86
85S-15	595	1.154	101
85S-17	680	1.319	115
85S-19	765	1.484	129
85S-21	850	1.649	138
85S-23	935	1.814	156
85S-25	1020	1.979	168
85S-27	1105	2.144	181
85S-29	1190	2.309	196
85S-31	1275	2.474	208
85S-33	1360	2.638	224

CAPACITY AND WEIGHTS SPECIFICATIONS

TYPE AND PLATES PER CELL	6HR. CAPACITY RATE		APPROX. TRAYED WEIGHT PER CELL
	AMP HOUR CAPACITY	K.W.H. PER CELL	
90S-05	180	0.349	42
90S-07	270	0.524	55
90S-09	360	0.698	70
90S-11	450	0.873	84
90S-13	540	1.048	101
90S-15	630	1.222	115
90S-17	720	1.397	127
90S-19	810	1.571	146
90S-21	900	1.746	154
90S-23	990	1.921	170
90S-25	1080	2.095	181
90S-27	1170	2.270	197
90S-29	1260	2.444	210
90S-31	1350	2.619	225
90S-33	1440	2.794	246

TYPE AND PLATES PER CELL	6HR. CAPACITY RATE		APPROX. TRAYED WEIGHT PER CELL
	AMP HOUR CAPACITY	K.W.H. PER CELL	
110S-05	220	0.427	51
110S-07	330	0.640	63
110S-09	440	0.854	81
110S-11	550	1.067	100
110S-13	660	1.280	116
110S-15	770	1.494	133
110S-17	880	1.707	149
110S-19	990	1.921	167
110S-21	1100	2.134	190
110S-23	1210	2.347	211
110S-25	1320	2.561	228
110S-27	1430	2.774	245
110S-29	1540	2.988	261
110S-31	1650	3.201	276
110S-33	1760	3.414	291

TYPE AND PLATES PER CELL	6HR. CAPACITY RATE		APPROX. TRAYED WEIGHT PER CELL
	AMP HOUR CAPACITY	K.W.H. PER CELL	
160S-05	320	0.621	86
160S-07	480	0.931	105
160S-09	640	1.242	125
160S-11	800	1.552	144
160S-13	960	1.862	163
160S-15	1120	2.173	190
160S-17	1280	2.483	210
160S-19	1440	2.794	246
160S-21	1600	3.104	272
160S-23	1760	3.414	298
160S-25	1920	3.725	320

TYPE AND PLATES PER CELL	6HR. CAPACITY RATE		APPROX. TRAYED WEIGHT PER CELL
	AMP HOUR CAPACITY	K.W.H. PER CELL	
100S-05	200	0.388	48
100S-07	300	0.582	60
100S-09	400	0.776	72
100S-11	500	0.970	85
100S-13	600	1.164	104
100S-15	700	1.358	117
100S-17	800	1.552	133
100S-19	900	1.746	145
100S-21	1000	1.940	158
100S-23	1100	2.134	173
100S-25	1200	2.328	187
100S-27	1300	2.522	201
100S-29	1400	2.716	215
100S-31	1500	2.910	229
100S-33	1600	3.104	243

TYPE AND PLATES PER CELL	6HR. CAPACITY RATE		APPROX. TRAYED WEIGHT PER CELL
	AMP HOUR CAPACITY	K.W.H. PER CELL	
125S-05	250	0.485	61
125S-07	375	0.728	73
125S-09	500	0.970	87
125S-11	625	1.213	105
125S-13	750	1.455	120
125S-15	875	1.698	140
125S-17	1000	1.940	158
125S-19	1125	2.183	178
125S-21	1250	2.425	202
125S-23	1375	2.668	221
125S-25	1500	2.910	237
125S-27	1625	3.153	253
125S-29	1750	3.395	269
125S-31	1875	3.638	285
125S-33	2000	3.880	301