



# IRONCLAD®

UNIQUE SQUARE TUBE TECHNOLOGY



The unique square tube technology at work in IRONCLAD® batteries has up to 84% more positive-plate surface area vs. round tubular and flat-plate batteries. More surface area means more power, so IRONCLAD batteries sustain higher voltages than similarly sized conventional batteries. Industry-leading amp-hour capacities can help trucks lift and drive faster, and last longer into the shift.

Developed for demanding applications and loads, IRONCLAD Loadhog® batteries were the first to pack 100 amp-hours into a standard 85-AH compartment. That's up to 18% more capacity than similarly sized conventional batteries – more than enough to keep running strong through the toughest shifts.



# Technical Data Sheet



With 55, 75, 100 and 140 amp-hour plates, Loadhog® batteries are designed to handle more demanding shifts and loads.



## HEAVY-DUTY POWER

Engineered for heavy-duty applications and shifts



## AMP HOURS

Up to 18% higher amp-hour capacity than conventional batteries



## RUN TIMES

Extended run times allow trucks to last longer into the shift



## LIMITED WARRANTY

Up to 5-year +1 warranty depending on charging applications

### E55L - Square Tubular (55 AH per Positive Plate)

No. of Plates	Cell Catalog #	Capacity @ 6 hr. Rate @ 77°F or 5 hr. Rate @ 30°C to 1.70 Vpc		Base Dimensions of Cells*				Weight of Electrolyte		Approx. Weight Per Cell**	
				Length		Width		lbs	kg	lbs	kg
				in	mm	in	mm				
5	93478-CW	0.21	110	2.00	51	6.19	157	5.4	2.4	23	10.4
7	93479-CW	0.32	165	2.75	70	6.19	157	5.8	2.6	31	14.1
9	93480-CW	0.42	220	3.50	89	6.19	157	6.2	2.8	36	16.3
11	93481-CW	0.53	275	4.25	108	6.19	157	6.7	3.0	44	20.0
13	93482-CW	0.64	330	5.00	127	6.19	157	8.5	3.9	52	23.6
15	93483-CW	0.74	385	5.75	146	6.25	159	10.0	4.5	58	26.3
17	93484-CW	0.85	440	6.50	165	6.25	159	11.0	5.0	70	31.8
19	93485-CW	0.96	495	7.25	184	6.25	159	12.0	5.4	78	35.4
21	93486-CW	1.06	550	8.00	203	6.25	159	13.5	6.1	85	38.6
23	93487-CW	1.17	605	8.75	222	6.25	159	15.0	6.8	94	42.6
25	93488-CW	1.27	660	9.50	241	6.25	159	16.0	7.3	102	46.3
27	93489-CW	1.38	715	10.25	260	6.25	159	17.5	7.9	111	50.4
29	93490-CW	1.49	770	11.00	279	6.25	159	19.0	8.6	119	54.0
31	93491-CW	1.59	825	11.75	298	6.25	159	20.5	9.3	127	57.6
33	93492-CW	1.70	880	12.50	318	6.25	159	22.0	10.0	133	60.3

Standard coverless battery height is 14.87" over lifting ear

\* Tray, tray partitions and required clearance make complete batteries up to 1.00" longer and wider than cells alone

\*\* Including steel tray

### E75L - Square Tubular (75 AH per Positive Plate)

No. of Plates	Cell Catalog #	Capacity @ 6 hr. Rate @ 77°F or 5 hr. Rate @ 30°C to 1.70 Vpc		Base Dimensions of Cells*				Weight of Electrolyte		Approx. Weight Per Cell**	
				Length		Width		lbs	kg	lbs	kg
		kWh	AH	in	mm	in	mm				
5	83623-CW	0.29	150	2.00	51	6.19	157	4.0	1.8	25	11.3
7	90000-CW	0.43	225	2.75	70	6.19	157	5.8	2.6	37	16.8
9	90001-CW	0.58	300	3.50	89	6.19	157	7.6	3.4	47	21.3
11	90002-CW	0.72	375	4.25	108	6.19	157	9.4	4.3	58	26.3
13	90003-CW	0.87	450	5.00	127	6.19	157	11.2	5.1	68	30.8
15	90004-CW	1.01	525	5.75	146	6.25	159	12.9	5.9	79	35.8
17	90005-CW	1.16	600	6.50	165	6.25	159	14.4	6.5	90	40.8
19	90006-CW	1.30	675	7.25	184	6.25	159	16.4	7.4	100	45.4
21	90007-CW	1.45	750	8.00	203	6.25	159	18.2	8.3	111	50.3
23	90008-CW	1.59	825	8.75	222	6.25	159	20.0	9.1	121	54.9
25	90009-CW	1.74	900	9.50	241	6.25	159	21.8	9.9	132	59.9
27	90010-CW	1.88	975	10.25	260	6.25	159	23.5	10.7	143	64.9
29	90011-CW	2.03	1050	11.00	279	6.25	159	25.3	11.5	155	70.3
31	90012-CW	2.17	1125	11.75	298	6.25	159	27.1	12.3	163	73.9
33	90013-CW	2.32	1200	12.50	318	6.25	159	28.9	13.1	171	77.6

Standard coverless battery height is 18.94" over lifting ear

### E100 - Square Tubular (100 AH per Positive Plate)

No. of Plates	Cell Catalog #	Capacity @ 6 hr. Rate @ 77°F or 5 hr. Rate @ 30°C to 1.70 Vpc		Base Dimensions of Cells*				Weight of Electrolyte		Approx. Weight Per Cell**	
				Length		Width		lbs	kg	lbs	kg
		kWh	AH	in	mm	in	mm				
5	95621-CW	0.39	200	2.00	51	6.19	157	6.3	2.9	34	15.4
7	95622-CW	0.58	300	2.75	70	6.19	157	8.4	3.8	47	21.3
9	95623-CW	0.77	400	3.50	89	6.19	157	10.5	4.8	60	27.2
11	95624-CW	0.97	500	4.25	108	6.19	157	12.5	5.7	73	33.1
13	95625-CW	1.16	600	5.00	127	6.19	157	14.6	6.6	86	39.0
15	95626-CW	1.35	700	5.75	146	6.25	159	17.8	8.1	99	44.9
17	95627-CW	1.54	800	6.50	165	6.25	159	19.9	9.0	113	51.3
19	95628-CW	1.74	900	7.25	184	6.25	159	21.9	9.9	126	57.2
21	95629-CW	1.93	1000	8.00	203	6.25	159	24.1	10.9	140	63.5
23	95630-CW	2.12	1100	8.75	222	6.25	159	27.2	12.3	152	68.9
25	95631-CW	2.32	1200	9.50	241	6.25	159	29.3	13.3	166	75.3
27	95632-CW	2.51	1300	10.25	260	6.25	159	31.4	14.2	180	81.6
29	95633-CW	2.70	1400	11.00	279	6.25	159	34.5	15.6	195	88.5
31	95634-CW	2.90	1500	11.75	298	6.25	159	36.6	16.6	206	93.4
33	95635-CW	3.09	1600	12.50	318	6.25	159	38.7	17.6	216	98.0

Standard coverless battery height is 22.81" over lifting ear

\* Tray, tray partitions and required clearance make complete batteries up to 1.00" longer and wider than cells alone

\*\* Including steel tray

**E140 - Square Tubular (140 AH per Positive Plate)**

No. of Plates	Cell Catalog #	Capacity @ 6 hr. Rate @ 77°F or 5 hr. Rate @ 30°C to 1.70 Vpc		Base Dimensions of Cells*				Weight of Electrolyte		Approx. Weight Per Cell**	
				Length		Width		lbs	kg	lbs	kg
				in	mm	in	mm				
5	390200-CW	0.54	280	2.00	51	6.19	157	8.0	4.1	53	24.0
7	390201-CW	0.81	420	2.75	70	6.19	157	13.0	6.0	68	30.8
9	390202-CW	1.08	560	3.50	89	6.19	157	16.0	7.3	87	39.5
11	390203-CW	1.35	700	4.25	108	6.19	157	19.0	8.6	105	47.6
13	390204-CW	1.62	840	5.00	127	6.19	157	22.0	10.0	120	54.4
15	390205-CW	1.89	980	5.75	146	6.25	159	26.0	11.3	136	61.7
17	390206-CW	2.16	1120	6.50	165	6.25	159	29.0	13.2	154	69.9
19	390207-CW	2.43	1260	7.25	184	6.25	159	33.0	15.0	172	78.0
21	390208-CW	2.70	1400	8.00	203	6.25	159	37.0	16.8	191	86.6
23	390209-CW	2.97	1540	8.75	222	6.25	159	41.0	18.6	207	93.9
25	390210-CW	3.24	1680	9.50	241	6.25	159	45.0	20.4	223	101.2
27	390211-CW	3.51	1820	10.25	260	6.25	159	48.0	22.2	239	108.4
29	390212-CW	3.78	1960	11.00	279	6.25	159	53.0	24.0	255	115.7

Standard coverless battery height is 30.56" over lifting ear

\* Tray, tray partitions and required clearance make complete batteries up to 1.00" longer and wider than cells alone

\*\* Including steel tray

