

PURE POWER. PURE PERFORMANCE.

DEEP CYCLE BATTERY PRODUCT SPECIFICATIONS

RELENTLESS SOLUTIONS FOR TODAY'S TOUGHEST APPLICATIONS

Crown Battery offers the most comprehensive line of powerful, proven and technologically advanced deep-cycle products — designed to meet the power and energy storage needs of the latest applications in material handling, construction, golf cars, low-speed electric vehicles, traffic control, renewable energy and beyond.

For nearly 100 years, we've been a global leader and pioneer of deep cycle and motive power battery technology for transportation, mobile equipment and stationary electric applications. Whether supporting breakthrough electrification innovations or powering downtime pursuits, Crown Battery is your trusted partner for traditional and advanced deep cycle battery power.



FLA DEEP CYCLE

AGM DEEP CYCLE

LITHIUM-ION DEEP CYCLE



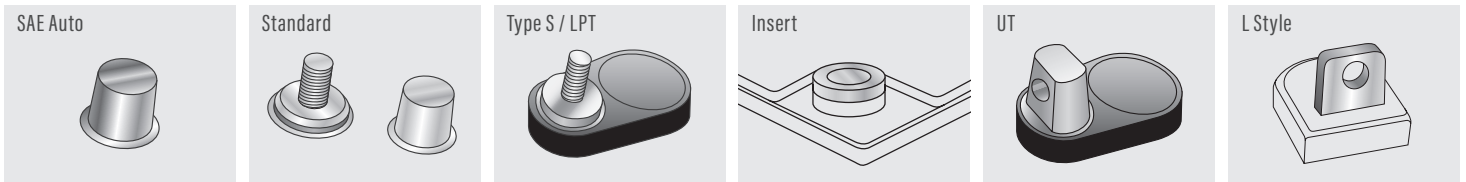
BCI GROUP	MODEL DESCRIPTION	CAPACITY					STORAGE		PHYSICAL CHARACTERISTICS								PRODUCT NOTES
		AMPERE-HOURS		RESERVE CAPACITY MINUTES			KWH 100-HR	KWH 20-HOUR	LENGTH		WIDTH		HEIGHT		WEIGHT		
		20-HR RATE	5-HR RATE	75-AMPS	56-AMPS	25-AMPS			INCHES	MM	INCHES	MM	INCHES	MM	LBS	KG	
CROWN DEEP CYCLE SERIES - 6 VOLT - FLA BATTERIES																	
GC2	CR-205	205	170	105	---	365	1.34	1.19	10.25	260	7.06	179	10.94	278	55	24.9	1,4,5,12,15
	CR-220	220	180	110	---	385	1.43	1.28	10.25	260	7.06	179	10.94	278	60	27.2	1,4,5,6,12,15
	CR-235	235	185	122	---	450	1.51	1.37	10.25	260	7.06	179	10.94	278	63	28.6	1,4,5,6,12,15
	CR-240	240	195	135	---	485	1.56	1.40	10.25	260	7.06	179	10.94	278	67	30.4	1,4,5,12,15
DIN-GC	CR-DGC	240	195	130	---	480	1.56	1.40	9.63	245	7.50	191	10.75	273	63	28.6	1,7,12
GC2H	CR-260	260	215	150	---	525	1.70	1.51	10.25	260	7.06	179	11.63	295	72	32.7	1,4,5,6,12,15
901	CR-250	250	215	150	---	540	1.63	1.46	11.75	298	7.19	183	11.13	283	74	33.6	1,4,5,12,15
902	CR-305	305	255	170	---	620	1.99	1.78	12.19	310	7.19	183	14.13	359	88	39.9	1,4,5,12,15
	CR-330	330	270	190	---	676	2.15	1.92	12.19	310	7.19	183	14.13	359	91	41.3	1,4,5,12,15
	CR-350	350	290	210	---	725	2.27	2.04	12.19	310	7.19	183	14.13	359	100	45.4	1,4,5,12,15
903	CR-370	370	295	190	---	750	2.41	2.15	12.38	314	7.19	183	16.13	410	106	48.1	1,4,5,12,15
	CR-390	390	310	215	---	790	2.53	2.27	12.38	314	7.19	183	16.13	410	113	51.3	1,4,5,12,15
	CR-430	430	340	240	---	920	2.85	2.50	12.38	314	7.19	183	16.13	410	122	55.3	1,4,5,12,15
CROWN DEEP CYCLE SERIES - 8 VOLT - FLA BATTERIES																	
GC8	CR-150	150	120	65	90	250	1.29	1.16	10.31	262	7.06	179	10.82	275	60	27.2	1,4,5,12,15
	CR-165	165	140	82	117	304	1.43	1.28	10.31	262	7.06	179	10.82	275	63	28.6	1,4,5,12,15
	CR-190	190	155	95	135	353	1.65	1.47	10.31	262	7.06	179	10.82	275	68	30.8	1,4,5,12,15
CROWN DEEP CYCLE SERIES - 12 VOLT - FLA BATTERIES																	
24	24HDC	90	70	33	—	140	1.17	1.05	11.06	281	6.81	173	9.38	238	50	22.7	1,4,5,12,15
27	27HDC	115	95	43	—	180	1.51	1.34	12.95	329	6.81	173	9.38	238	58	26.3	1,4,5,12,15
30H	31HDC	130	105	46	—	200	1.69	1.51	13.00	330	6.75	171	9.38	238	65	29.5	1,4,5,12,15
GC12	CR-GC150	150	120	61	103	243	1.94	1.75	12.92	328	7.06	179	10.53	267	80	36.3	1,4,5,12,15
	CR-GC155	155	125	75	110	286	1.98	1.80	12.92	328	7.06	179	10.53	267	87	39.5	1,4,5,12,15
921	CR-185	185	150	85	—	326	2.41	2.15	15.50	394	7.06	179	14.63	372	106	48.1	1,4,5,12,15
	CR-195	195	160	100	—	370	2.54	2.27	15.50	394	7.06	179	14.63	372	109	49.4	1,4,5,12,15
	CR-215	215	175	118	—	429	2.79	2.50	15.50	394	7.06	179	14.63	372	118	53.5	1,4,5,12,15
CROWN MARINE DEEP CYCLE SERIES - 12 VOLT - FLA BATTERIES																	
24	24MDC	80	65	39	—	130	1.04	0.93	10.25	260	6.81	173	8.88	226	40	18.1	2,4,5,13
27	27MDC	105	86	50	—	180	1.36	1.22	12.06	306	6.81	173	8.88	226	49	22.2	2,4,5,13
31	31MDC	115	95	55	—	210	1.49	1.34	13.00	330	6.81	173	9.44	240	54	24.5	2,4,5,13

DEEP CYCLE BATTERY PRODUCT SPECIFICATIONS

EFFECTIVE OCTOBER 1, 2024

BCI GROUP	MODEL DESCRIPTION	ITEM NUMBER	CAPACITY					STORAGE	PHYSICAL CHARACTERISTICS								PRODUCT NOTES
			AMPERE-HOURS		RESERVE CAPACITY MINUTES				LENGTH		WIDTH		HEIGHT		WEIGHT		
			20-HR RATE	5-HR RATE	75-AMPS	56-AMPS	25-AMPS	KWH 20-HR	INCHES	MM	INCHES	MM	INCHES	MM	LBS	KG	
CROWN1 CRV DEEP CYCLE SERIES - 6 VOLT - AGM BATTERIES																	
GC2	6CRV220	AGM06220	220	170	105	—	400	1.28	10.25	260	7.06	179	10.94	278	63	28.6	3,4,5,14
	6CRV220-M8	AGM06220-M8	220	170	105	—	385	1.28	10.25	260	7.06	179	9.94	252	63	28.6	3,4,8,14
6V-27	6CRV215	AGM06215	200	170	100	—	385	1.16	12.05	306	6.89	175	8.08	205	59	26.8	3,4,8,14
GC2H	6CRVGC2H	AGM06GC2H	245	190	145	—	475	1.43	10.25	260	7.13	181	11.38	289	72	32.7	3,4,5,6,14
902	6CRV330	AGM06330	330	265	200	—	725	1.92	11.62	295	7.01	178	14.59	371	103	46.7	3,4,5,14
903	6CRV390	AGM06390	390	315	255	—	900	2.33	11.62	295	7.01	178	16.75	425	127	57.6	3,4,5,14
CROWN1 CRV DEEP CYCLE SERIES - 8 VOLT - AGM BATTERIES																	
GC8	8CRV165	AGM08165	165	132	—	120	310	1.28	10.38	264	7.13	182	11.38	280	65	29.5	3,4,5,14
CROWN1 CRV DEEP CYCLE SERIES - 12 VOLT - AGM BATTERIES																	
U1L	12CRV33-M6	AGM12033	33	28	—	—	48	0.38	7.72	196	5.16	131	6.57	167	22	10.0	3,4,8,14
22NF	12CRV55	AGM12055	55	45	—	—	85	0.64	9.02	229	5.43	138	8.35	212	37	16.8	3,4,11,14
24	12CRV80	AGM12080	80	65	36	—	140	0.93	11.26	286	6.75	171	9.38	238	50	22.7	3,4,5,14
	12CRV80-M6	AGM12080-M6	80	65	36	—	140	0.93	10.25	260	6.61	168	8.53	217	49	22.2	3,4,8,14
27	12CRV100	AGM12100	98	80	43	—	170	1.14	13.00	330	6.75	171	9.38	238	58	26.3	3,4,5,14
31	12CRV110	AGM12110	110	89	55	—	200	1.28	13.00	330	6.77	172	9.38	238	60	27.2	3,4,5,14
GC12	12CRVGC12	AGM12GC12	150	135	90	120	320	1.75	12.90	328	7.09	180	10.81	275	93	42.0	3,4,8,14
920	12CRV135	AGM12135	135	116	85	—	283	1.57	13.39	340	6.81	173	11.22	285	88	39.9	3,4,8,14
921	12CRV230	AGM12230	230	198	130	—	541	2.68	15.50	394	7.00	178	14.50	368	145	65.8	3,4,5,14
4D	12CRV4D	AGM1204D	185	150	100	—	350	2.15	20.94	532	8.16	207	9.68	245	112	51.0	3,4,5,9,14
8D	12CRV8D	AGM1208D	240	206	171	—	535	2.79	20.50	520	10.56	268	9.88	250	155	70.5	3,4,5,14
CROWN1 SEALED POWER SERIES - 12 VOLT - AGM BATTERIES																	
U1L	12CE35	SLA12035	35	29	—	—	43	0.41	7.71	196	5.16	131	7.09	180	22	9.8	3,4,10,14
22NF	12CE55	SLA12055	55	45	—	—	80	0.64	9.06	230	5.43	138	9.41	239	37	16.8	3,4,11,14
24	12CE75-UT	SLA12075-UT	75	52	35	—	140	0.87	10.24	260	6.61	168	9.41	239	49	22.2	3,4,11,14
27	12CE100-UT	SLA12100-UT	100	79	45	—	170	1.16	12.13	308	6.61	168	9.41	239	58	26.4	3,4,11,14
	12CE100-LPT	SLA12100-LPT	100	79	45	—	170	1.16	12.13	308	6.61	168	9.49	241	58	26.4	3,4,6,14
	12CE100-M6	SLA12100-M6	100	79	45	—	170	1.16	12.13	308	6.61	168	8.50	216	58	26.4	3,4,8,14
31	12CE110-LPT	SLA12110-LPT	110	82	48	—	200	1.28	13.07	332	6.89	175	9.65	245	65	29.3	3,4,6,14

AVAILABLE TERMINALS:



FLA & AGM PRODUCT NOTES:

- Cover with Individual Bayonet or POD Style Removable Vents
- Flush Manifold, Vented Cover Design
- Sealed, Non-Spillable (US DOT; ICAO; IATA), VRLA AGM Battery
- Includes Handle
- Standard Terminal (BCI Type M Dual Terminal)
- Type S / LPT Terminal
- SAE Auto Post Terminal
- Insert M6 / M8 Terminal
- Heavy Duty L Style Terminal with Horizontal Hole
- L Terminal (BCI Type X)
- Type UT Terminal with Horizontal Hole
- Commercial Deep Cycle Batteries are Low Maintenance with Antimony Grids - UN2794
- Marine / RV Deep Cycle Batteries are Maintenance Free with Calcium Grids - UN2794
- Valve Regulated AGM Batteries are Sealed, Non-Spillable, and Maintenance Free - UN2800
- Single-Point Watering Option Available

TECHNICAL & PACKAGING REFERENCES:

- Published weights are approximate and may vary by ambient or storage condition or packaging
- Published ratings are peak capacity
- FLA & AGM Storage kWh specifications are calculated using a Depth-of-Discharge (DoD) of 50%, or 1.94 VPC
- Refer to Proposition 65 Warning decal on batteries for compliance with State of California requirements

BCI GROUP	MODEL DESCRIPTION	VOLTAGE & CAPACITY		DISCHARGE SPECIFICATIONS			STANDARD CHARGE CURRENT	MAXIMUM CHARGE CURRENT	CHARGE VOLTAGE CUTOFF
		NOMINAL VOLTAGE	C20 CAPACITY	30-SECOND PEAK CURRENT	MAXIMUM CONTINUOUS DISCHARGE CURRENT	CUT-OFF VOLTAGE LIMIT			
VELOCITY PERFORMEDGE SERIES - 12 VOLT - LITHIUM BATTERIES									
24	V12-100	12.8	100 Ah	200	100	11.0	<20 A	50 A	14.6
31	V12-120	12.8	120 Ah	200	100	11.0	<20 A	50 A	14.6



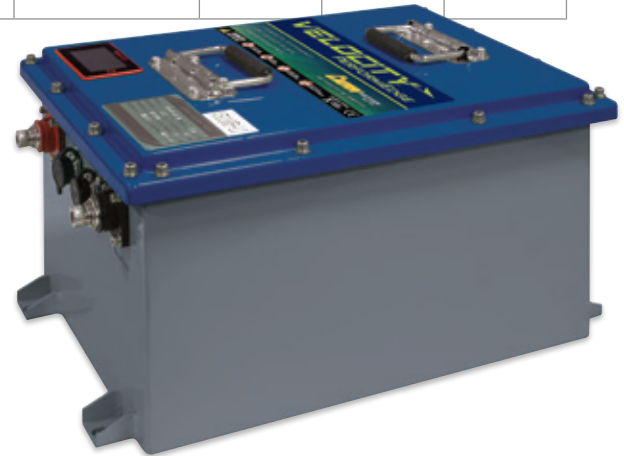
MODEL DESCRIPTION	LENGTH		WIDTH		HEIGHT		WEIGHT		PRODUCT NOTES
	IN	MM	IN	MM	IN	MM	LBS	KGS	
V12-100	10.25	260	6.81	173	7.91 / 8.88	201 / 225	27.6	12.5	1,2,3,5,6,7,8
V12-120	13.00	330	6.81	173	8.64 / 9.38	219 / 238	35.3	16.0	1,2,3,5,6,7,8

MODEL DESCRIPTION	OPERATING TEMPERATURE RANGE					
	CHARGING		DISCHARGE		STORAGE	
	°C	°F	°C	°F	°C	°F
V12-100	-20° to 45°	-4° to 113°	-20° to 60°	-4° to 140°	-10° to 40°	14° to 104°
V12-120	-20° to 45°	-4° to 113°	-20° to 60°	-4° to 140°	-10° to 40°	14° to 104°

BCI GROUP	MODEL DESCRIPTION	VOLTAGE & CAPACITY		DISCHARGE SPECIFICATIONS			STANDARD CHARGE CURRENT	MAXIMUM CHARGE CURRENT	CHARGE VOLTAGE CUTOFF
		NOMINAL VOLTAGE	C20 CAPACITY	30-SECOND PEAK CURRENT	MAXIMUM CONTINUOUS DISCHARGE CURRENT	CUT-OFF VOLTAGE LIMIT			
VELOCITY PERFORMEDGE SERIES - 48 VOLT - LITHIUM BATTERIES									
—	V51-105	51.2	105 Ah	520 A	105 A	44.0 V	<30 A	50 A	58.4 V
—	V51-105X								

MODEL DESCRIPTION	LENGTH		WIDTH		HEIGHT		WEIGHT		PRODUCT NOTES
	IN	MM	IN	MM	IN	MM	LBS	KGS	
V51-105	17.63	447	12.18	309	9.56	242	110.0	50.0	1,2,3,5,6,8
V51-105X	17.63	447	12.18	309	9.56	242	110.0	50.0	1,2,3,4,5,6,8

MODEL DESCRIPTION	OPERATING TEMPERATURE RANGE					
	CHARGING		DISCHARGE		STORAGE	
	°C	°F	°C	°F	°C	°F
V51-105	0° to 60°	32° to 140°	-20° to 65°	-4° to 150°	-20° to 45°	-4° to 113°
V51-105X	0° to 60°	32° to 140°	-20° to 65°	-4° to 150°	-20° to 45°	-4° to 113°



VELOCITY LITHIUM BATTERY PRODUCT NOTES:

- 1 Sealed, Non-Spillable Battery - UN38.3
- 2 LiFePO4 Battery Chemistry - UN3480, Class 9
- 3 Battery includes an integrated BMS protection circuit for safe operation
- 4 Battery design includes Polar Protection safe charging feature
- 5 Includes handle
- 6 Insert Terminal with M8 Stainless Steel Bolt
- 7 Brass SAE Auto Post Terminal Included
- 8 Height dimension specification shows (Container / Terminal) heights

TECHNICAL & PACKAGING REFERENCES:

- ▶ Published weights are approximate and may vary by ambient or storage condition or packaging
- ▶ Refer to Proposition 65 Warning decal on batteries for compliance with State of California requirements