

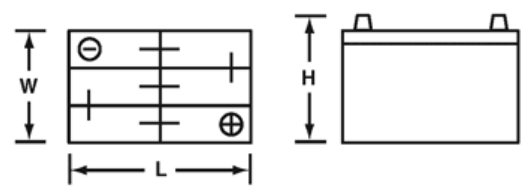
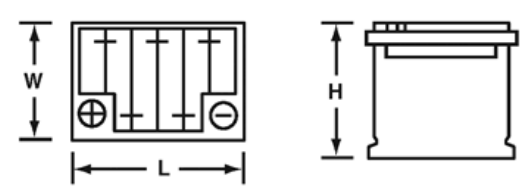
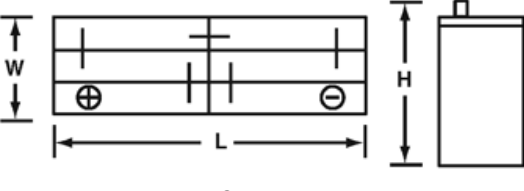
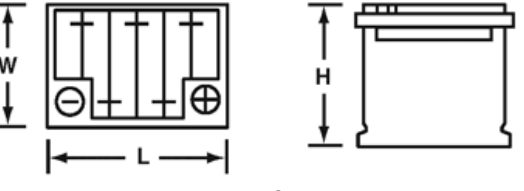
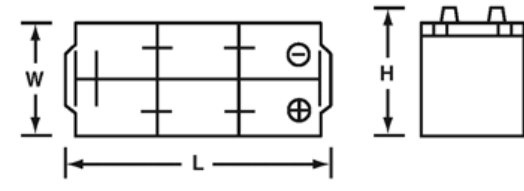
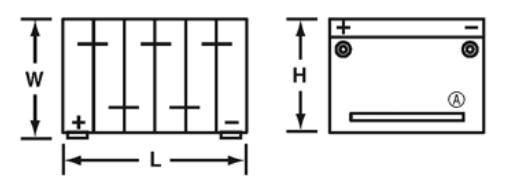
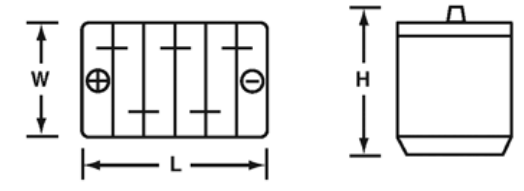
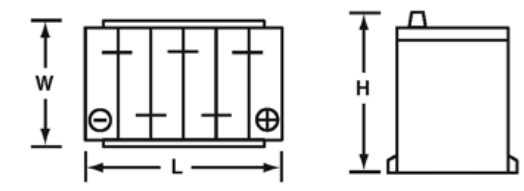
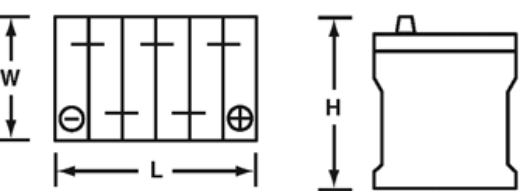
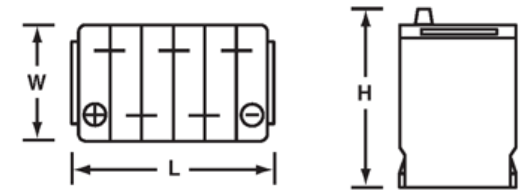
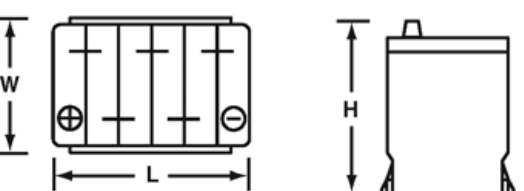
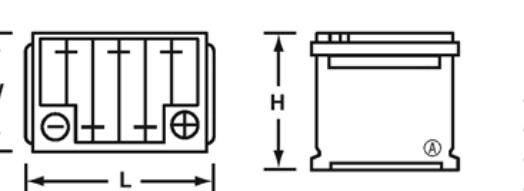
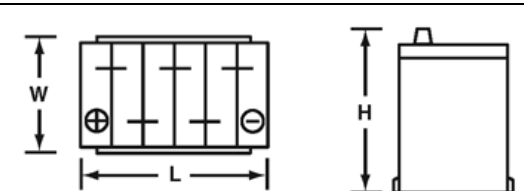
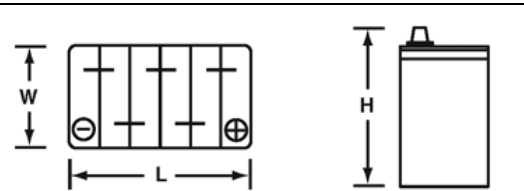
BCI Assembly Numbers, Cell Layouts, Holddowns and Polarity

6 Volt Assemblies - Terminal Positions & Cell Layouts			
2N	<p>FIG. 1</p>	<p>FIG. 2</p>	1 2 3 4 5D 7D 19L
	<p>FIG. 2B</p>	<p>FIG. 5</p>	2E 3EH 4EH
12 Volt Assemblies - Terminal Positions & Cell Layouts			
4D 6D 8D	<p>FIG. 8</p>	<p>FIG. 9</p>	3EE 3ET
12T 29H 21 30H 24 34 24H 50 24T 51 25 52 26 86 27 U1 © 27H U2 ©	<p>FIG. 10</p>	<p>FIG. 10F</p>	16TF 45 46
21R 24R 26R 27R 34R 35 51R 85	<p>FIG. 11</p>	<p>FIG. 11L</p>	17TF
22F 22HF 22NF 24F 27F 29NF 33	<p>FIG. 11F</p>	<p>FIG. 11H</p>	121R 124R

Ⓐ Holddown Ledge Ⓑ Bus Terminal (8D only) - Optional Ⓒ Lifting Ledge Ⓓ With X Terminal

Continued on next page

BCI Assembly Numbers, Cell Layouts, Holddowns and Polarity

12-Volt Assemblies - Terminal Positions & Cell Layouts			
60	 <p style="text-align: center;">FIG. 12</p>	 <p style="text-align: center;">FIG. 13</p>	66
53	 <p style="text-align: center;">FIG. 14</p>	 <p style="text-align: center;">FIG. 15</p>	40R 41 42 43 96R 97R 98R
4DLT	 <p style="text-align: center;">FIG. 16L</p>	 <p style="text-align: center;">FIG. 17</p>	70 75 71 76 72 77 73 78 74 101
28 31A 31T	 <p style="text-align: center;">FIG. 18</p>	 <p style="text-align: center;">FIG. 19</p>	36R 54 55 56 58R
61 62 63 64	 <p style="text-align: center;">FIG. 20</p>	 <p style="text-align: center;">FIG. 21</p>	59 65
57	 <p style="text-align: center;">FIG. 22</p>	 <p style="text-align: center;">FIG. 24</p>	47 94R 48 95R 49 99R 90 102R 91 140R 92 153R 93
58	 <p style="text-align: center;">FIG. 26</p>	 <p style="text-align: center;">FIG. 28</p>	151R 152R 402R Ⓓ U1R

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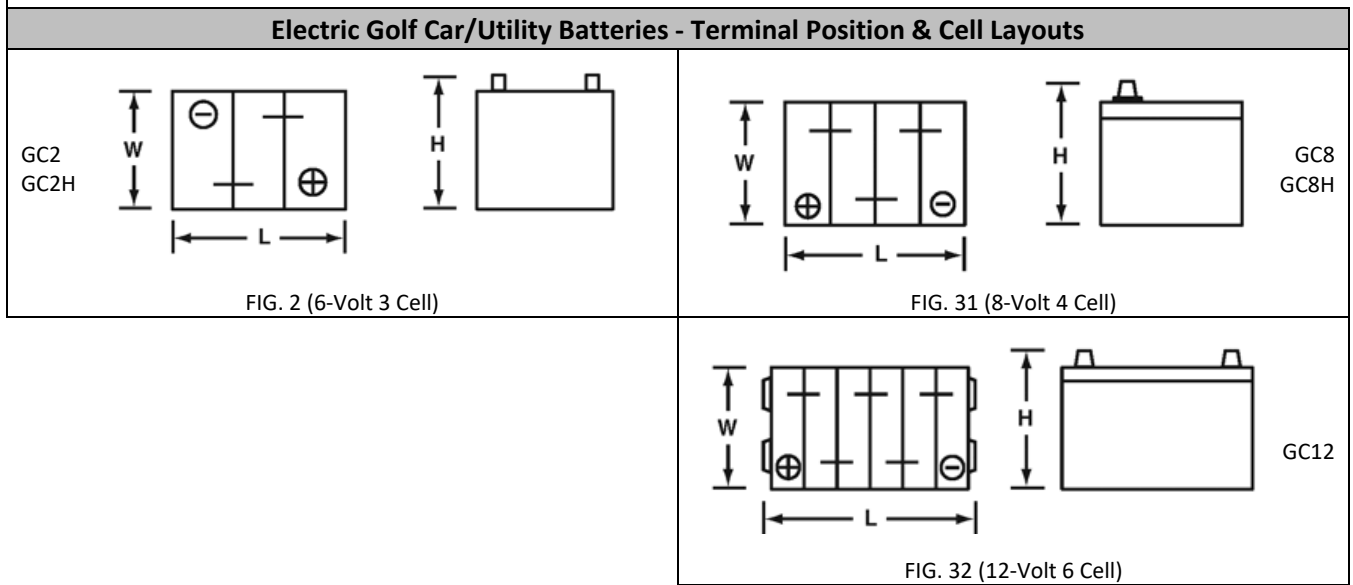
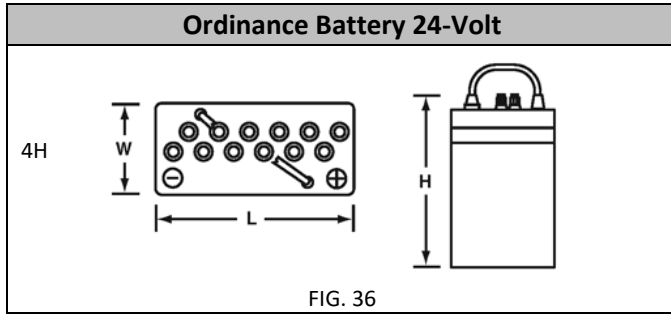
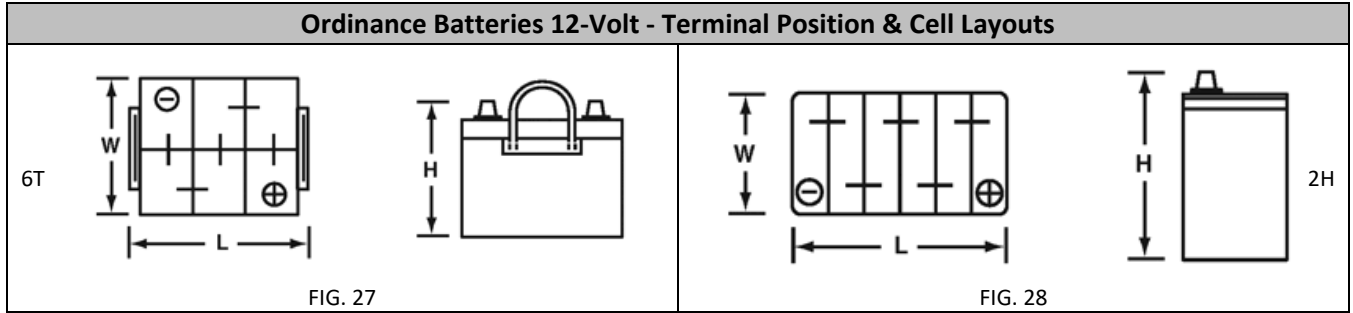
Ⓐ Holddown Ledge Ⓞ With X Terminal

BCI Assembly Numbers, Cell Layouts, Holddowns and Polarity

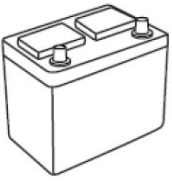
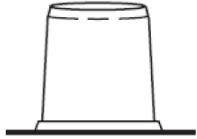

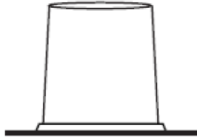
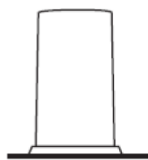
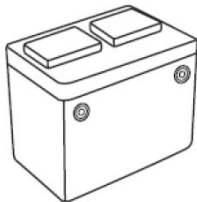
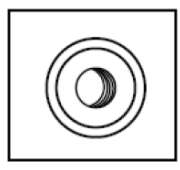
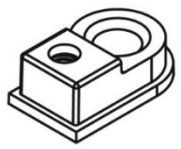
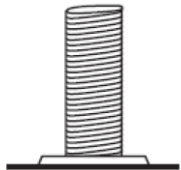
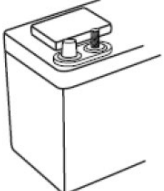
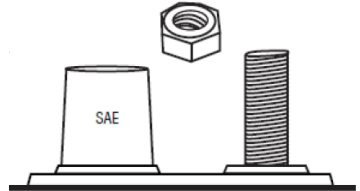
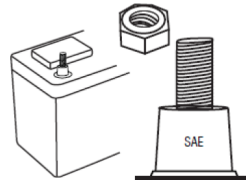
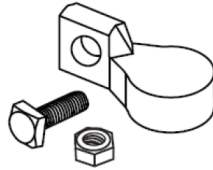
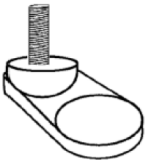
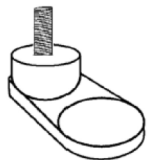


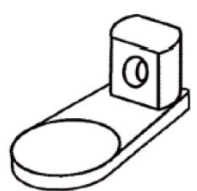
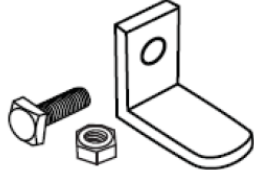
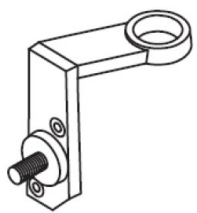

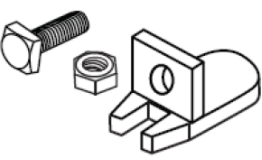

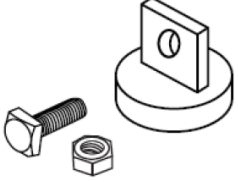
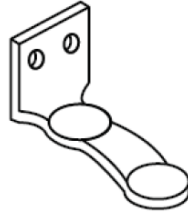
12-Volt Assemblies - Terminal Positions & Cell Layouts			
99 148	<p>FIG. 34</p>	<p>FIG. 35</p>	79 100
67R	<p>FIG. 39</p>	<p>FIG. 40</p>	124
400 401	<p>FIG. 41</p>	<p>FIG. 42</p>	403

(A) Holddown Ledge

BCI Assembly Numbers, Cell Layouts, Holddowns and Polarity



BCI Post/Terminal Configurations

<p>Top Post</p> 	<p>SAE</p>  <p>Type A</p>	<p>DIN</p>  <p>Type A1</p>	<p>EN/JIS</p>  <p>Type A2</p>	<p>JIS Pencil Post</p>  <p>Type A3</p>
<p>Side Terminal</p>   <p>Type S</p>	<p>Aux Terminal</p>  <p>Type Aux</p>	<p>Threaded Post</p>  <p>Type T</p>		
<p>Marine</p> 	<p>With Hex</p>  <p>Type M</p>		 <p>Type M1</p>	<p>Flag Marine/Scrubber</p>  <p>Type M2</p>
<p>Golf Car and Floor Scrubber</p>  <p>Type LPT Low Profile</p>  <p>Type HPT High Profile</p>  <p>Type L</p>  <p>Type UT</p>  <p>Type LT</p>				
<p>Garden Tractor</p>  <p>Type X</p>		<p>Bus</p>  <p>Type B</p>  <p>Type B-1</p>		
<p>Special Application</p>  <p>Type F Fox</p>  <p>Type W</p>  <p>Type Z</p>			<p>Locomotive</p>  <p>Type LO</p>	

Designs and designations supplied for reference only. See your battery supplier for dimensional details.

BCI Group Numbers, Dimensional Specifications and Ratings

BCI Group Number	Maximum Overall Dimensions						Post/Terminal	Assembly Figure No.	O.E. Performance Ranges (for Reference Only)	
	Millimeters			Inches					Cold Cranking Performance Amps. @ 0°F (-18°C)	Amp-Hour (Ah)
	L	W	H	L	W	H				
Passenger Car and Light Commercial Batteries 12-Volt (6 Cells)										
21	208	173	222	8 3/16	6 13/16	8 3/4	A,A2	10	305-420	---
21R	208	173	222	8 3/16	6 13/16	8 3/4	A,A2	11	310-490	---
22F	241	175	211	9 1/2	6 15/16	8 5/16	A	11F	220-500	---
22HF	241	175	229	9 1/2	6 15/16	9	A	11F	290	---
22NF	240	140	227	9 7/16	5 1/2	8 15/16	A,A2	11F	165-550	---
24	260	173	225	10 1/4	6 13/16	8 7/8	A,A2	10	200-1000	70
24F	273	173	229	10 3/4	6 13/16	9	A,A2	11F	250-900	65-70
24H	260	173	238	10 1/4	6 13/16	9 3/8	A	10	315-410	---
24R	260	173	229	10 1/4	6 13/16	9	A,A2	11	585	---
24T	260	173	248	10 1/4	6 13/16	9 3/4	A	10	370-900	---
25	230	175	225	9 1/16	6 15/16	8 7/8	A,A2	10	260-660	---
26	208	173	197	8 3/16	6 13/16	7 3/4	A,A2	10	245-800	---
26R	208	173	197	8 3/16	6 13/16	7 3/4	A	11	235-675	---
27	306	173	225	12 1/16	6 13/16	8 7/8	A,A2	10	240-810	---
27F	318	173	227	12 1/2	6 13/16	8 15/16	A,A2	11F	315-780	80
27H	298	173	235	11 3/4	6 13/16	9 1/4	A	10	420-440	---
27R	306	173	225	12 1/16	6 13/16	8 7/8	A,A2	11	270-700	---
29NF	330	140	227	13	5 1/2	8 15/16	A	11F	280-430	---
33	338	173	238	13 5/16	6 13/16	9 3/8	A	11F	1050	---
34	260	173	200	10 1/4	6 13/16	7 7/8	A	10	235-1000	70
34R	260	173	200	10 1/4	6 13/16	7 7/8	A	11	450-850	100
35	230	175	225	9 1/16	6 15/16	8 7/8	A,A2	11	300-640	48-113
36R	263	183	206	10 3/8	7 3/16	8 1/8	A	19	540-650	---
40R	278	175	175	11	6 15/16	6 15/16	A,A1	15	550-650	---
41	293	175	175	11 9/16	6 15/16	6 15/16	A,A1	15	300-720	---
42	242	175	175	9 9/16	6 15/16	6 15/16	A,A1	15	210-500	---
43	334	175	205	13 1/8	6 15/16	8 1/16	A,A1	15	495	---
45	240	140	227	9 7/16	5 1/2	8 15/16	A,A2	10F	235-500	---
46	273	173	229	10 3/4	6 13/16	9	A,A1	10F	315-450	---
47	242	175	190	9 9/16	6 15/16	7 1/2	A,A1,F	24	290-680	45-64
48	278	175	190	11	6 15/16	7 1/2	A,A1,A2	24	315-850	60-80
49	353	175	190	13 15/16	6 15/16	7 1/2	A,A1,A2	24	470-950	72-100
50	343	127	254	13 1/2	5	10	A	10	500-600	---
51	238	129	223	9 3/8	5 1/16	8 3/4	A,A2	10	270-500	---
51R	238	129	223	9 3/8	5 1/16	8 3/4	A,A2	11	295-500	---
52	186	147	210	7 5/16	5 13/16	8 1/4	A	10	405	---
53	330	119	210	13	4 11/16	8 1/4	A	14	210-350	---
54	186	154	212	7 5/16	6 1/16	8 3/8	A	19	305-330	---
55	218	154	212	8 9/16	6 1/16	8 3/8	A	19	370-580	---
56	254	154	212	10	6 1/16	8 3/8	A	19	350-550	---
57	205	183	177	8 1/16	7 3/16	6 15/16	A	22	310	---
58	255	183	177	10 1/16	7 3/16	6 15/16	A	26	245-550	---
58R	255	183	177	10 1/16	7 3/16	6 15/16	A	19	540-580	---

Continued on next page

BCI Group Numbers, Dimensional Specifications and Ratings

BCI Group Number	Maximum Overall Dimensions						Post/Terminal	Assembly Figure No.	O.E. Performance Ranges (for Reference Only)	
	Millimeters			Inches					Cold Cranking Performance Amps. @ 0°F (-18°C)	Amp-Hour (Ah)
	L	W	H	L	W	H				
Passenger Car and Light Commercial Batteries 12-Volt (6 Cells) Continued										
59	255	193	196	10 1/16	7 11/16	7 3/4	A	21	540	---
60	332	160	225	13 1/16	6 5/16	8 7/8	A	12	260-950	---
61	192	162	225	7 9/16	6 3/8	8 7/8	A	20	310	---
62	225	162	225	8 7/8	6 3/8	8 7/8	A	20	310-535	---
63	258	162	225	10 3/16	6 3/8	8 7/8	A	20	450	---
64	296	162	225	11 5/8	6 3/8	8 7/8	A	20	380-535	---
65	306	192	192	12 1/16	7 9/16	7 9/16	A	21	540-880	70
66	306	192	194	12 1/16	7 9/16	7 11/16	A	13	650-750	---
67R	231	175	176	9 1/8	6 15/16	6 15/16	A	39	390	---
70	208	180	186	8 3/16	7 1/16	7 5/16	S	17	250-675	---
71	208	179	216	8 3/16	7 1/16	8 1/2	S	17	275-650	---
72	230	179	210	9 1/16	7 1/16	8 1/4	S	17	265-465	---
73	230	179	216	9 1/16	7 1/16	8 1/2	S	17	425-500	---
74	260	184	222	10 1/4	7 1/4	8 3/4	S	17	265-650	---
75	230	180	186 [Ⓞ]	9 1/16	7 1/16	7 5/16 [Ⓞ]	S	17	425-690	---
76	334	179	216	13 1/8	7 1/16	8 1/2	S	17	750-1075	---
77	306	184	222	12 1/16	7 1/4	8 3/4	A	17	350-465	---
78	260	180	186	10 1/4	7 1/16	7 5/16	S	17	465-875	63
79	307	179	188	12 1/16	7 1/16	7 3/8	S	35	800-840	---
85	230	173	203	9 1/16	6 13/16	8	A	11	430-650	---
86	230	173	203	9 1/16	6 13/16	8	A	10	430-640	---
90	242	175	175	9 9/16	6 15/16	6 15/16	A1,A2	24	450-600	---
91	278	175	175	11	6 15/16	6 15/16	A1,A2	24	590-700	---
92	315	175	175	12 7/16	6 15/16	6 15/16	A1,A2	24	575-720	80
93	353	175	175	13 15/16	6 15/16	6 15/16	A1,A2	24	600-800	90
94R	315	175	190	12 7/16	6 15/16	7 1/2	A1,A2	24	440-900	61-100
95R	394	175	190	15 9/16	6 15/16	7 1/2	A1,A2	24	800-950	105-115
96R	242	175	175	9 1/2	6 15/16	6 15/16	A,A1	15	400-590	60
97R	252	175	190	9 15/16	6 15/16	7 1/2	A1,A2	15	575	---
98R	283	175	190	11 1/8	6 15/16	7 1/2	A1,A2	15	620-760	---
99	207	175	175	8 1/8	6 15/16	6 15/16	A1	34	470	---
99R	207	175	175	8 1/8	6 15/16	6 15/16	A1	24	390-470	44
100	260	179	188	10 1/4	7 1/16	7 3/8	S	35	770	---
101	260	179	170	10 1/4	7 1/16	6 11/16	S	17	540	---
102R	207	175	139	8 1/8	6 15/16	5 1/2	A	24	---	35
121R	208	177	215	8 1/4	7	8 1/2	A	11H	410-600	---
124	265	175	214	10 7/16	6 15/16	8 7/16	A	40	600	---
124R	262	177	218	10 3/8	7	8 5/8	A	11H	500-740	68-80
140R	207	175	190	8 1/8	6 15/16	7 1/2	A	24	285-570	44-51
148	278	175	190	11	6 15/16	7 1/2	A1,A2	34	595-600	70
151R	188	125	225	7 7/16	4 15/16	8 7/8	A	28	340-370	---
152R	260	173	225	10 1/4	6 7/8	8 7/8	A2	28	605-780	70
153R	175	175	190	6 15/16	6 15/16	7 1/2	A1,A2	24	300-480	40

See footnotes on page 19

Continued on next page

BCI Group Numbers, Dimensional Specifications and Ratings

BCI Group Number	Maximum Overall Dimensions						Post/ Terminal	Assembly Figure No.	O.E. Performance Ranges (for Reference Only)	
	Millimeters			Inches					Cold Cranking Performance Amps. @ 0°F (-18°C)	Amp-Hour (Ah)
	L	W	H	L	W	H				
Passenger Car and Light Commercial Batteries 12-Volt (6 Cells) Continued										
400	150	88	143	5 7/8	3 7/16	5 5/8	Aux	41	200	12
401	150	88	130	5 7/8	3 7/16	5 1/8	Aux	41	170-180	10
402R	198	132	188	7 13/16	5 3/16	7 3/8	A	28	---	30-33
403	150	87	145	5 7/8	3 7/16	5 11/16	A2	42	200	14

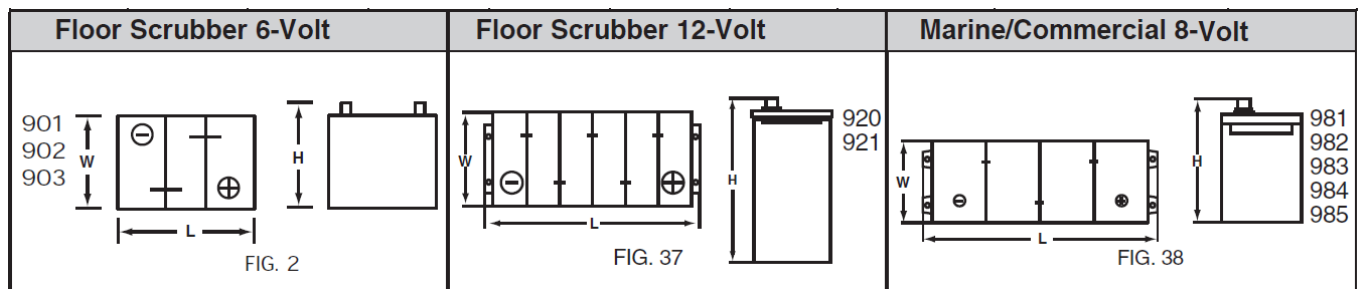
BCI Group Numbers, Dimensional Specifications and Ratings

BCI Group Number	Maximum Overall Dimensions						Post/ Terminal	Assembly Figure No.	O.E. Performance Ranges (for Reference Only)	
	Millimeters			Inches					Cold Cranking Performance Amps. @ 0°F (-18°C)	Amp-Hour (Ah)
	L	W	H	L	W	H				
Passenger Car and Light Commercial Batteries 6-Volt (3 Cells)										
1	232	181	238	9 1/8	7 1/8	9 3/8	A	2	260-575	---
2	264	181	238	10 3/8	7 1/8	9 3/8	A	2	350-685	---
2E	492	105	232	19 3/8	4 1/8	9 1/8	A	5	350-475	120
2N	254	141	227	10	5 9/16	8 15/16	A	1	350-450	---
17HF [Ⓢ]	187	175	229	7 3/8	6 15/16	9	A	2B	270-400	---
19L	216	178	191	8 1/2	7	7 1/2	A	2	345-400	---
Heavy-Duty Commercial Batteries 12-Volt (6 Cells)										
4D [Ⓢ]	527	222	250	20 3/4	8 3/4	9 13/16	A,B,A2	8	490-1400	---
6D	527	254	260	20 3/4	10	10 1/4	A,L	8	750	---
8D [Ⓢ]	527	283	250	20 3/4	11 1/8	9 13/16	A,A2,B,B1	8	650-1500	---
28	261	173	240	10 1/4	6 13/16	9 7/16	T	18	400-525	---
29H	334	171	232	13 1/8	6 11/16	9 1/8	A	10	350-950	---
30H	343	173	235	13 1/2	6 13/16	9 1/4	A	10	305-900	---
31A	330	173	240	13	6 13/16	9 7/16	A,M,M1	18	660-1000	---
31T	330	173	240	13	6 13/16	9 7/16	T,M,M1	18	300-1300	---
Heavy-Duty Commercial Batteries 6-Volt (3 Cells)										
3	298	181	238	11 3/4	7 1/8	9 3/8	A	2	550-580	---
4	334	181	238	13 1/8	7 1/8	9 3/8	A	2	530-1175	---
5D	349	181	238	13 3/4	7 1/8	9 3/8	A	2	720-1400	---
7D	413	181	238	16 1/4	7 1/8	9 3/8	A	2	870-975	---
Special Tractor Batteries 6-Volt (3 Cells)										
3EH	491	111	249	19 5/16	4 3/8	9 13/16	A	5	780-850	---
4EH	491	127	249	19 5/16	5	9 13/16	A	5	850-975	---
Special Tractor Batteries 12-Volt (6 Cells)										
3EE	491	111	225	19 5/16	4 3/8	8 7/8	A	9	265-685	---
3ET	491	111	249	19 5/16	4 3/8	9 13/16	A	9	355-620	---
4DLT	508	208	202	20	8 3/16	7 15/16	A	16L	630-1000	---
12T	179	177	202	7 1/16	6 15/16	7 15/16	A,L	10	460	---
General-Utility Batteries 12-Volt (6 Cells)										
U1	197	132	186	7 3/4	5 3/16	7 5/16	X	10	105-540	---
U1R	197	132	186	7 3/4	5 3/16	7 5/16	X	28	165-365	---
U2	160	132	181	6 5/16	5 3/16	7 1/8	A3,X	10	84-235	---
Electric Golf Car/Utility Batteries 6-Volt (3 Cells)										
GC2	264	183	277	10 3/8	7 3/16	10 7/8	LPT,HPT UT,LT	2	Ⓢ	---
GC2H	264	183	295	10 3/8	7 3/16	11 5/8	LPT,HPT UT,LT	2	Ⓢ	---
Electric Golf Car/Utility Batteries 8-Volt (4 Cells)										
GC8	264	183	277	10 3/8	7 3/16	10 7/8	LPT,HPT UT,LT	31	Ⓢ	---
GC8H	264	183	295	10 3/8	7 3/16	11 5/8	LPT,UT,LT	31	Ⓢ	---
Electric Golf Car/Utility Batteries 12-Volt (6 Cells)										
GC12	327	183	277	12 7/8	7 3/16	10 7/8	LPT,HPT UT,LT	32	Ⓢ	---

BCI Group Numbers, Dimensional Specifications and Ratings

BCI Group Number	Maximum Overall Dimensions						Post/Terminal	Assembly Figure No.	O.E. Performance Ranges (for Reference Only)	
	Millimeters			Inches					Cold Cranking Performance Amps. @ 0°F (-18°C)	Amp-Hour (Ah)
	L	W	H	L	W	H				
Ordnance Batteries 12-Volt (6 Cell)										
2HⓈ	260	135	227	10 1/4	5 5/16	8 15/16	A	28	150	---
6TⓈ	286	267	230	11 1/4	10 1/2	9 1/16	A	27	600-750	---
Ordnance Batteries 12-Volt (12 Cell)										
4HⓈ	273	262	229	10 3/4	10 5/16	9	A	36	125	---

Floor Scrubber Commercial Batteries (Deep Cycle) 6-Volt (3 Cells)										
901	298	181	302	11 3/4	7 1/8	11 7/8	A,L,LPT HPT,UT,LT	2	---	---
902	302	181	371	12	7 1/8	14 5/8	A,L,LPT HPT,UT,LT	2	---	---
903	302	181	432	12	7 1/8	17	A,L,LPT HPT,UT,LT	2	---	---
Floor Scrubber Commercial Batteries (Deep Cycle) 12-Volt (6 Cells)										
920	356	171	311	14	6 3/4	12 1/2	A,L,LPT HPT,UT,LT	37	---	---
921	397	181	378	15 3/4	7 1/8	14 7/8	A,L,LPT HPT,UT,LT	37	---	---
Marine/Commercial Batteries 8-Volt (4 Cells)										
981	527	191	273	20 3/4	7 1/2	10 3/4	A,L,UT,LT	38	---	---
982	546	191	267	21 1/2	7 1/2	10 1/2	A,L,UT,LT	38	---	---
983	622	191	267	24 1/2	7 1/2	10 1/2	A,L,UT,LT	38	---	---
984	699	191	267	27 1/2	7 1/2	10 1/2	A,L,UT,LT	38	---	---
985	683	216	273	26 7/8	8 1/2	11 3/4	A,L,UT,LT	38	---	---



Notes:

- Ⓢ Rod End Types – Extend top ledge with holes for holddown bolts.
- Ⓢ Not in application section but still manufactured.
- Ⓢ Maximum height dimension shown includes batteries with raised quarter cover design. Flat-top design model height (minus quarter covers) reduced by approximately 3/8 inch (10mm)
- Ⓢ Ratings for batteries recommended for Motor Coach and Bus service are for double insulation. When double insulation is used in other types, deduct 15% from the rating values for Cold Cranking Performance.
- Ⓢ Submersible
- Ⓢ Capacity tested in minutes at 75 amperes to 1.75 volts per cell at 80°F (27°C).
- Ⓢ Capacity tested in minutes at 56 amperes to 1.75 volts per cell at 80°F (27°C).
- Ⓢ 148 is equivalent to a reversed termination 48 (H6)

BCI / DIN / EN Reference Chart

BCI Group Number	BCI Assembly Figure	Maximum Overall Dimensions			Holddown (See Below)	Lifting Ledge	Positive Terminal Location	DIN Code	EN Code
		Millimeters							
		L	W	H					
40R	15	278	175	175	B1	No	Right	T6	LBN3
41	15	293	175	175	B4	No	Right	T65	N/A
42	15	242	175	175	B4	No	Right	T5	LBN2
47	24	242	175	190	B3	Yes	Right	H5	LN2
48	24	278	175	190	B3	Yes	Right	H6	LN3
49	24	353	175	190	B3	Yes	Right	H8	LN5
90	24	242	175	175	B3	Yes	Right	T5	LBN2
91	24	278	175	175	B3	Yes	Right	T6	LBN3
92	24	315	175	175	B3	Yes	Right	T7	LBN4
93	24	353	175	175	B3	Yes	Right	T8	LBN5
94R	24	315	175	190	B3	Yes	Right	H7	LN4
95R	24	394	175	190	B3	No	Right	H9	LN6
97R	15	252	175	190	B4	No	Right	H5	LN2
98R	15	283	175	190	B4	Yes	Right	H6	LN3
99	34	207	175	175	B3	Yes	Left	T4	LBN1
99R	24	207	175	175	B3	Yes	Right	T4	LBN1
102R	24	207	175	139	B3	Yes	Right	V4	-
140R	24	207	175	190	B3	Yes	Right	H4	LN1
148	34	278	175	190	B3	Yes	Left	H6	LN3
153R	24	175	175	190	B3	Yes	Right	H3	LN0

Caution

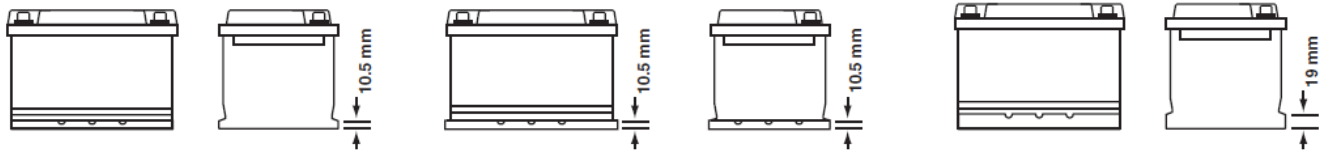
These are common holddown types but others may be used.

Holddown Descriptions:

B1 = 10.5 mm high with 3 or 5 notches on sides only

B3 = 10.5 mm high on sides with 3 or 5 notches on sides and 3 notches on ends

B4 = 19.0 mm high on sides only with 3 or 5 notches on sides only



B1
Base holddown 10.5 mm (on long sides)

B3
Base holddown 10.5 mm (on long and short sides)

B4
Base holddown 19 mm (on long sides)

BCI / DIN / EN / JIS Disclaimer:

The information contained on these two pages is deemed accurate and appropriate at the time of its publication. It represents our "best fit estimate" of the BCI Group size to the DIN / EN / JIS dimensional reference size. BCI provides this information as a service to the subscribers of the Data Book. While BCI strives for accuracy, it makes no promises or warranties regarding the accuracy or usefulness of this information and expressly disclaims any liability related to the use or reliability of the information contained in these charts. BCI, its officers, directors, employees, agents and its member affiliates cannot be held liable for the accuracy or use of this data.

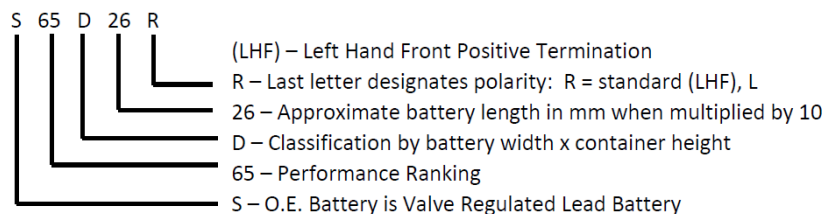
Best Fit Estimate - BCI Group Size

BCI Group Number	BCI Assembly Figure	Maximum Overall Dimensions			JIS Reference Size Number Information	
		Millimeters			JIS Type Designation	Conventional
		L	W	H		
21	10	202	173	225	50D20R	N50S
21R	11	202	173	225	50D20L	N50SL
24	10	260	173	225	48D26R, 55D26R, 65D26R, 75D26R, 80D26R, 110D26R	N50, N50Z, NS70
24R	11	260	173	225	48D26L, 55D26L, 65D26L, 75D26L, 80D26L, 110D26L	N50L, N50ZL, NS70L
25	10	232	173	225	55D23R, 65D23R, 70D23R, 75D23R, 80D23R	
27	10	306	173	225	65D31R, 75D31R, 95D31R, 105D31R, 115D31R	N70, N70Z, NX120
27R	11	306	173	225	65D31L, 75D31L, 95D31L, 105D31L, 115D31L	N70L, N70ZL, NX120-7L
29H [Ⓢ]	10	410	176	234	95E41R, 105E41R, 115E41R, 130E41R	N100
N/A	—	410	176	234	95E41L, 105E41L, 115E41L, 130E41L	N100L
35	11	232	173	225	55D23L, 65D23L, 70D23L, 75D23L, 80D23L	
51 [Ⓝ]	10	238	129	227	46B24R, 55B24R, 65B24R	N40, NS60
51R [Ⓝ]	11	238	129	227	46B24L, 55B24L, 65B24L, 85B24LS	N40L, NS60L
151R [Ⓝ]	28	187	127	227	28B19L, 44B19L (S) (SAE Type A Post)	NS40L(S), NS40ZL(S)
4D	8	505 508	182 222	257 257	115F51 [Ⓞ] , 145F51 [Ⓞ] , 150F51 [Ⓞ] , 170F51 [Ⓞ] 145G51, 165G51, 180G51, 195G51	N120 [Ⓞ] / NS150 [Ⓞ] N150
8D	8	521	278	270	190H52, 210H52, 245H52	N200
N/A [Ⓝ]	11	194	126	224	S34B20L [Ⓞ] - Toyota Prius: Remote Venting	
N/A	10	165	124	218	S34B24R [Ⓞ] - Honda Insight	
N/A	11	248	127	190	46A24L- Mazda Miata: Remote Venting	
N/A	—	167	127	227	26B17L, 26B17R, 28B17L, 28B17R, 34B17L, 34B17R	
N/A	—	187	127	184	26A19L, 26A19R, 28A19R, 32A19R	
N/A	—	187	127	227	34B19L, 34B19R, 38B19L, 38B19R, 60B19RS	
N/A	—	238	135	232	32C24L, 32C24R	
N/A	—	197	129	227	S34B20L [Ⓞ] , S34B20R [Ⓞ] , 36B20L, 36B20R, 38B20L, 38B20R	
N/A	—	238	127	227	S46B24L [Ⓞ] (WS), S46B24R [Ⓞ] (WS)	
N/A	—	232	173	225	S55D23L [Ⓞ] , S55D23R [Ⓞ]	
N/A	—	250	168	227	S65D26L [Ⓞ] , S65D26R [Ⓞ]	
N/A	—	305	173	225	S75D31L [Ⓞ] , S75D31R [Ⓞ]	N70Z, N70ZL

Notes:

- Ⓝ OEM post may be small diameter JIS size, connector change may be required
- Ⓞ BCI designated Group 4D is 38 mm wider than JIS part, 4D will fit most JIS applications
- Ⓢ BCI Group 29H is 76 mm shorter in length than JIS Designated part
- Ⓞ OE Battery is valve regulated lead battery

JIS Number Interpretation:



Powersport Battery Type Reference Chart

Battery Type	Volt	Capacity Ah (10 hr)	External Dimensions						Post/Terminal	Assembly Figure
			Millimeters (+/- 2)			Inches (+/- 1/16)				
			L	W	H	L	W	H		
6-Volt Conventional Flooded Lead Acid Battery										
6N2-2A	6	2	70	46	95	2 3/4	1 13/16	3 3/4	—	
6N2-2A-4	6	2	70	46	95	2 3/4	1 13/16	3 3/4	—	
6N4-2A	6	4	70	70	95	2 3/4	2 3/4	3 3/4	—	
6N4-2A-2	6	4	70	70	95	2 3/4	2 3/4	3 3/4	—	
6N4-2A-4	6	4	70	70	95	2 3/4	2 3/4	3 3/4	—	
6N4-2A-5	6	4	70	70	95	2 3/4	2 3/4	3 3/4	—	
6N4B-2A	6	4	102	48	96	4	1 7/8	3 3/4	—	
6N4B-2A-3	6	4	102	48	96	4	1 7/8	3 3/4	—	
6N6-1D-2	6	6	98	57	108	3 7/8	2 1/4	4 1/4	—	
6N6-3B-1	6	6	99	57	111	3 7/8	2 1/4	4 3/8	6	
6B8L-B	6	8	120	70	95	4 3/4	2 3/4	3 3/4	6	
6N11-2D	6	11	150	69	103	5 7/8	2 11/16	4 1/16	6	
6N11A-1B	6	11	121	60	131	4 3/4	2 3/8	5 3/16	6	
B38-6A	6	13	119	83	161	4 11/16	3 1/4	6 15/16	6	
B39-6	6	7	126	48	126	4 15/16	1 7/8	4 15/16	6	
B49-6	6	10	90	83	161	3 9/16	3 1/4	6 15/16	6	
12-Volt Conventional Flooded Lead Acid Battery										
12N5-3B	12	5	121	60	130	4 3/4	2 3/8	5 1/8	6	
12N5-4B	12	5	121	60	130	4 3/4	2 3/8	5 1/8	6	
12N5.5-3B	12	5.5	135	60	130	5 5/16	2 3/8	5 1/8	6	
12N5.5-4A	12	5.5	135	60	130	5 5/16	2 3/8	5 1/8	2	
12N7-3B	12	7	135	76	132	5 5/16	3	5 3/16	6	
12N7-4B	12	7	135	76	132	5 5/16	3	5 3/16	6	
12N9-3A	12	9	135	76	139	5 5/16	3	5 1/2	9	
12N9-4B-1	12	9	135	76	139	5 5/16	3	5 1/2	6	
12N24-3	12	24	184	125	175	7 1/4	4 15/16	6 7/8	3	
12N24-3A	12	24	184	125	175	7 1/4	4 15/16	6 7/8	3	
H-12	12	28 (Ah)	200	129	162	7 7/8	5 1/16	6 3/8	9	
12-Volt High Performance Flooded Lead Acid Battery										
B2.5L-C-1	12	2.5	80	70	105	3 1/8	2 3/4	4 1/8	—	
B3L-A	12	3	100	57	110	3 15/16	2 1/4	4 15/16	6	
B3L-B	12	3	100	57	110	3 15/16	2 1/4	4 15/16	6	
B4L-A	12	4	121	71	92	4 3/4	2 13/16	3 5/8	5	
B4L-B	12	4	121	71	92	4 3/4	2 13/16	3 5/8	5	
B5L-B	12	5	121	60	130	4 3/4	2 3/8	5 1/8	6	
B7-A	12	8	135	76	132	5 5/16	3	5 3/16	6	

(Ah) @ 20hr rate

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Powersport Battery Type Reference Chart

Battery Type	Volt	Capacity Ah (10 hr)	External Dimensions						Post/Terminal	Assembly Figure
			Millimeters (+/- 2)			Inches (+/- 1/16)				
			L	W	H	L	W	H		
12-Volt High Performance Flooded Lead Acid Battery Continued										
B7B-B	12	7	150	60	130	5 7/8	2 3/8	5 1/8	6	
B7C-A	12	8	133	92	116	5 1/4	3 5/8	4 9/16	3	
B7L-B	12	8	135	76	132	5 5/16	3	5 3/16	3	
B9A-A	12	9	135	76	155	5 5/16	3	6 1/8	6	
B9-B	12	9	135	76	138	5 5/16	3	5 7/16	6	
B9L-B	12	9	135	76	138	5 5/16	3	5 7/16	6	
B9L-A2	12	9	135	76	138	5 5/16	3	5 7/16	2	
B10A-A2	12	11	135	90	155	5 5/16	3 9/16	6 1/8	8	
B10L-A2	12	11	135	90	145	5 5/16	3 9/16	5 11/16	8	
B10L-B	12	11	135	90	145	5 5/16	3 9/16	5 11/16	6	
B10L-B2	12	11	135	90	145	5 5/16	3 9/16	5 11/16	8	
B12A-A	12	12	134	80	159	5 1/4	3 1/8	6 1/4	6	
SB12A-A ^{WS}	12	12	134	80	159	5 1/4	3 1/8	6 1/4	6	
B12A-B	12	12	134	80	159	5 1/4	3 1/8	6 1/4	6	
B12AL-A	12	12	134	80	159	5 1/4	3 1/8	6 1/4	6	
B12AL-A2	12	12	134	80	159	5 1/4	3 1/8	6 1/4	8	
B12B-B2	12	12	160	90	131	6 5/16	3 9/16	5 3/16	8	
B12C-A	12	12	134	80	174	5 1/4	3 1/8	6 7/8	4	
B14-A2	12	14	135	90	167	5 5/16	3 9/16	6 9/16	8	
B14-B2	12	14	135	90	167	5 5/16	3 9/16	6 9/16	8	
B14A-A1	12	14	135	90	176	5 5/16	3 9/16	6 7/8	6	
B14A-A2	12	14	135	90	176	5 5/16	3 9/16	6 7/8	5	
B14L-A1	12	14	133	90	167	5 1/4	3 9/16	6 9/16	1	
B14L-A2	12	14	135	90	167	5 5/16	3 9/16	6 9/16	8	
B14L-B2	12	14	135	90	167	5 5/16	3 9/16	6 9/16	8	
SB14L-B2 ^{WS}	12	14	135	90	167	5 5/16	3 9/16	6 9/16	8	
B16-B	12	19	175	99	156	6 7/8	3 7/8	6 1/8	6	
B16L-B	12	19	175	99	156	6 7/8	3 7/8	6 1/8	6	
B16AL-A2	12	16	205	70	166	8 1/16	2 3/4	6 9/16	2	
B16B-A	12	16	160	89	162	6 5/16	3 1/2	6 3/8	4	
B16B-A1	12	16	160	89	162	6 5/16	3 1/2	6 3/8	7	
B16C-B	12	19	175	99	175	6 7/8	3 7/8	6 7/8	5	
B16CL-B	12	19	175	99	175	6 7/8	3 7/8	6 7/8	5	
B16A-AB	12	16	150	90	181	5 7/8	3 9/16	7 1/16	7	
B16HL-A-LM	12	19	205	90	162	8 1/16	3 9/16	6 3/8	6	
B18-A	12	18	181	90	160	7 1/8	3 9/16	6 5/16	7	

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WS = With Sensor



































Powersport Battery Type Reference Chart

Battery Type	Volt	Capacity Ah (10 hr)	External Dimensions						Post/Terminal	Assembly Figure
			Millimeters (+/- 2)			Inches (+/- 1/16)				
			L	W	H	L	W	H		
12-Volt High Performance Flooded Lead Acid Battery										
B18L-A	12	18	181	90	160	7 1/8	3 9/16	6 5/16	7	
B50-N18A-A	12	20	205	90	176	8 1/16	3 9/16	6 15/16	7	
B50-N18L-A	12	20	205	90	162	8 1/16	3 9/16	6 3/8	7	
B50-N18L-A3	12	20	205	90	162	8 1/16	3 9/16	6 3/8	4	
B50N-18L-LM	12	20	205	90	162	8 1/16	3 9/16	6 3/8	7	
SB50N-18L-AT ^{WS}	12	20	205	90	162	8 1/16	3 9/16	6 3/8	7	
B60-N24-A	12	28	184	125	170	7 1/4	4 15/16	6 11/16	3	
B60-N24L-A	12	28	184	125	170	7 1/4	4 15/16	6 11/16	10	
B60-N24AL-B	12	28	184	125	170	7 1/4	4 15/16	6 11/16	3	
B30L-B	12	30	168	132	176	6 5/8	5 3/16	6 15/16	4	
B30CL-B	12	30	168	132	192	6 5/8	5 3/16	7 9/16	4	
51814 ⁵²	12	19 (Ah)	186	82	171	7 7/16	3 1/4	6 3/4	10	
51913 ⁵²	12	19 (Ah)	186	82	171	7 7/16	3 1/4	6 3/4	10	
53030 ⁵²	12	30 (Ah)	186	130	171	7 7/16	5 1/8	6 3/4	10	
12-Volt AGM Lead Acid Battery										
BT4B-BS	12	2.3	114	39	86.5	4 1/2	1 9/16	3 7/16	12	
BTX4L-BS	12	3	113	70	86	4 7/16	2 3/4	3 3/8	5	
BTX5L-BS	12	4	113	70	105	4 7/16	2 3/4	4 1/8	5	
BT7B-BS	12	6	150	65	93	5 7/8	2 9/16	3 11/16	11	
BTX7L-BS	12	6	113	70	129	4 7/16	2 3/4	5 1/16	4	
BTX7A-BS	12	6	150	87	94	5 7/8	3 11/16	3 9/16	4	
BTX9-BS	12	8	150	87	105	5 7/8	3 7/16	4 1/8	5	
BTR9-BS	12	8	150	87	105	5 7/8	3 7/16	4 1/8	11	
BTX12-BS	12	10	150	88	130	5 7/8	3 1/2	5 1/8	5	
BT12A-BS	12	10	150	87	105	5 7/8	3 7/16	4 1/8	11	
BTX14-BS	12	12	150	87	146	5 7/8	3 7/16	5 3/4	5	
BTX14AH-BS	12	12	134	89	166	5 1/4	3 1/2	6 9/16	4	
BTX14AHL-BS	12	12	134	89	166	5 1/4	3 1/2	6 9/16	4	
BTX14L-BS	12	12	150	87	145	6	3 7/16	5 3/4	5	
BTX15L-BS	12	13	175	87	130	6 7/8	3 7/16	5 1/8	4	
BTX16-BS	12	14	150	88	161	5 7/8	3 7/16	6 15/16	4	
BTX16-BS-1	12	14	150	88	161	5 7/8	3 7/16	6 15/16	1	
BT19BL-BS	12	17.7	185	81	170	7 5/16	3 3/16	6 11/16	10	
BTX20-BS	12	18	175	87	155	6 7/8	3 7/16	6 1/8	4	
BTX20CH-BS	12	18	150	87	161	6	3 7/16	6 3/8	4	
BTX20L-BS	12	18	175	87	155	6 7/8	3 7/16	6 1/8	4	
BTX20H-BS	12	18	175	87	155	6 7/8	3 7/16	6 1/8	4	



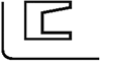



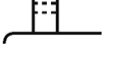
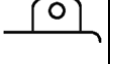
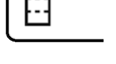
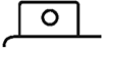

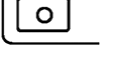
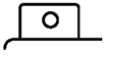



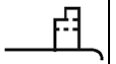

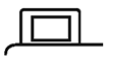
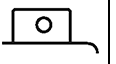
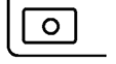
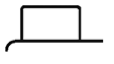


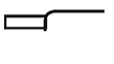
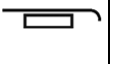

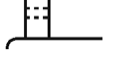
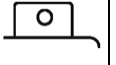
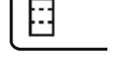
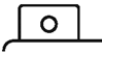


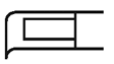
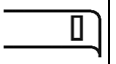

(Ah) @ 20 hr rate
 WS = With Sensor
 52 = DIN/EN battery part number

Continued on next page

Powersport Battery Type Reference Chart

Battery Type	Volt	Capacity Ah (10 hr)	External Dimensions						Post/Terminal	Assembly Figure
			Millimeters (+/- 2)			Inches (+/- 1/16)				
			L	W	H	L	W	H		
12-Volt AGM Lead Acid Battery Continued										
BTX20HL-BS	12	18	175	87	155	6 7/8	3 7/16	6 1/8	4	
BTX24HL-BS	12	21	205	87	162	8 1/16	3 7/16	6 3/8	4	
BTX30L-BS	12	30	166	126	175	6 9/16	4 15/16	6 7/8	4	
12-Volt Factory Activated Absorbed Glass Mat (AGM) Battery										
BT4B-5	12	2.5	113	38	86	4 7/16	1 1/2	3 3/8	12	
BTZ4V	12	3.2	113	70	85	4 7/16	2 3/4	3 3/8	5	
BT7B-4	12	6	150	65	93	6	2 9/16	3 11/16	11	
BT9B-4	12	8	150	69	105	5 7/8	2 11/16	4 1/8	11	
BT12B-4	12	10.5	150	69	130	6	2 3/4	5 1/8	11	
BT14B-4	12	12	150	87	146	5 7/8	3 7/16	5 3/4	11	
BTZ5S	12	4	113	70	85	4 7/16	2 3/4	3 3/8	5	
BTZ7S	12	6	113	70	105	4 7/16	2 3/4	4 1/8	5	
BTZ8V	12	7	113	70	130	4 7/16	2 3/4	5 1/8	5	
BTZ10S	12	8	150	87	93	5 7/8	3 7/16	3 11/16	11	
BTZ12S	12	11	150	87	110	5 7/8	3 7/16	4 5/16	11	
BTZ14S	12	11.2	150	87	110	5 7/8	3 7/16	4 5/16	11	
BTX14	12	12	150	87	146	5 7/8	3 7/16	5 3/4	5	
BTX14AH	12	12	134	89	166	5 1/4	3 1/2	6 9/16	4	
BTX14H	12	12	150	87	146	5 7/8	3 7/16	5 3/4	5	
BTX14L	12	12	150	87	146	5 7/8	3 7/16	5 3/4	5	
BTX15L	12	13	175	87	130	6 7/8	3 7/16	5 1/8	4	
BTZ16H	12	16	150	87	145	6	3 7/16	5 3/4	5	
BTX20L	12	18	175	87	155	6 7/8	3 7/16	6 1/8	4	
BTX20HL	12	18	175	87	155	6 7/8	3 7/16	6 1/8	4	
BTX24HL	12	21	205	87	162	8 1/16	3 7/16	6 3/8	4	
BTX30L	12	30	166	126	175	6 9/16	4 15/16	6 7/8	4	
BTZ20	12	20	175	87	155	6 7/8	3 7/16	6 1/8	4	
BTZ20L	12	20	175	87	155	6 7/8	3 7/16	6 1/8	4	
Lithium-ion (Li-ion) Battery										
B01L-LFP	12	2	107	56	85	4 13/64	2 13/64	3 11/32	11	
BTZ5S-LFP	12	2	113	69	85	4 7/16	2 3/4	3 3/8	11	
BT7B-LFP	12	4	150	65	92	5 7/8	2 9/16	3 5/8	11	
B12L-LFP	12	2.3	112	49	85	4 13/32	1 59/64	3 3/8	11	
B13L-LFPI	12	6	112	70	110	4 13/32	2 3/4	4 5/16	11	
BTZ14S-LFPI	12	8	150	87	110	5 7/8	3 7/16	4 5/16	11	
BTZ14S-LFP	12	8	150	87	110	5 7/8	3 7/16	4 5/16	11	

Powersport Terminals

Type	Terminal Shape			Battery Type				
	Front	Side	Top					
1				BTX16-BS-1	B14L-A1			
2				B9L-A2	B16AL-A2	12N5.5-4A		
3				12N24-3 B60-N24AL-B	12N24-3A	B7C-A	B7L-B	B60-N24-A
4				BTX14AH-BS BTX20L-BS B12C-A BTX14AH BTZ20L	BTX14AHL-BS BTX20H-BS B16B-A BTX15L	BTX15L-BS BTX20HL-BS B50-N18L-A3 BTX20HL	BTX16-BS BTX24HL-BS B30L-B BTX20L	BTX20-BS BTX20CH-BS B30CL-B BTX24HL
5				BTX4L-BS BTX12-BS BTX30L BTX14L B16C-B	BTX5L-BS BTX14-BS B4L-A B16CL-B BTX30L-BS	BTX7A-BS BTX14L-BS B4L-B BTZ5S BTZ4V	BTX7L-BS BTZ7S B14A-A2 BTZ16H	BTX9-BS BTX14 BTX14H BTZ8V
6				B3L-A B9-B B12A-B B16HL-A-LM 12N7-3B 6N6-3B-1	B3L-B B9L-B B12AL-A SB12A-A 12N7-4B 6B8L-B	B5L-B B9A-A B14A-A1 12N5-3B 12N9-4B-1 B38-6A	B7-A B10L-B B16-B 12N5-4B 6N11-2D B39-6	B7B-B B12A-A B16L-B 12N5.5-3B 6N11A-1B B49-6
7				B16A-AB B50-N18L-A	B16B-A1 B50-N18L-LM	B18-A SB50N-18L-AT	B18L-A	B50-N18A-A
8				B10A-A2 B14-A2	B10L-A2 B14-B2	B10L-B2 B14L-A2	B12AL-A2 B14L-B2	B12B-B2 SB14L-B2
9				H-12	12N9-3A			
10				51814 ⁵²	51913 ⁵²	53030 ⁵²	B60-N24L-A	BT19BL-BS
11				BT7B-4 BT14B-4	BT9B-4 BT7B-BS	BTZ10S BTR9-BS	BT12B-4 BTZ12S	BT12A-BS BTZ14S
12				BT4B-5 BT4B-BS				

⁵² = DIN/EN battery part number