

Automotive Batteries

AGM (Absorbent Glass Mat)

Battery Size			Dimensions, inches				Base Hold-	Layout	Terminal	Cover Type	Voltage, V	RC, min	C20, Ah	CCA (SAE), A
BCI	JIS	DIN/EN	L	W	H	TH								
47	-	LN2	9.1	6.9	7.5	7.5	B13	0	A	B	12	100	60	720
48	-	LN3	10.7	6.9	7.5	7.5	B13	0	A	B	12	120	70	800
94R	-	LN4	12.2	6.9	7.5	7.5	B13	0	A	B	12	140	80	850
49	-	LN5	13.6	6.9	7.5	7.5	B13	0	A	B	12	160	95	950

EFB (Enhanced Flooded Battery)

Battery Size			Dimensions, inches				Base Hold-	Layout	Terminal	Cover Type	Voltage, V	RC, min	C20, Ah	CCA (SAE), A
BCI	JIS	DIN/EN	L	W	H	TH								
151R	B20	-	7.7	5.0	7.9	8.6	B00	0, 1	B	C	12	60	40	350
51, 51R	B24	-	9.3	5.0	7.9	8.6	B00	0, 1	B	C	12	75	50	450
25, 35	D23	-	9.2	6.8	7.9	8.7	B01	0, 1	A	C	12	110	65	630
24, 24R	D26	-	10.2	6.8	8.0	8.8	B01	0, 1	A	C	12	140	80	730
27, 27R	D31	-	12.0	6.8	8.0	8.8	B01	0, 1	A	C	12	165	90	830
47	-	LN2	9.1	6.9	7.5	7.5	B13	0	A	B	12	115	70	650
48	-	LN3	10.7	6.9	7.5	7.5	B13	0	A	B	12	140	80	750
94R	-	LN4	12.2	6.9	7.5	7.5	B13	0	A	B	12	175	90	850
49	-	LN5	13.6	6.9	7.5	7.5	B13	0	A	B	12	200	100	950

HEB (High Endurance Battery)

Battery Size			Dimensions, inches				Base Hold-	Layout	Terminal	Cover Type	Voltage, V	RC, min	C20, Ah	CCA (SAE), A
BCI	JIS	DIN/EN	L	W	H	TH								
151R	B20	-	7.7	5.0	7.9	8.6	B00	0, 1	B	C	12	60	40	350
51, 51R	B24	-	9.3	5.0	7.9	8.6	B00	0, 1	B	C	12	75	50	450
25, 35	D23	-	9.2	6.8	7.9	8.7	B01	0, 1	A	C	12	110	65	630
24, 24R	D26	-	10.2	6.8	8.0	8.8	B01	0, 1	A	C	12	140	80	730
27, 27R	D31	-	12.0	6.8	8.0	8.8	B01	0, 1	A	C	12	165	90	830
47	-	LN2	9.1	6.9	7.5	7.5	B13	0	A	B	12	115	70	650
48	-	LN3	10.7	6.9	7.5	7.5	B13	0	A	B	12	140	80	750
94R	-	LN4	12.2	6.9	7.5	7.5	B13	0	A	B	12	175	90	850
49	-	LN5	13.6	6.9	7.5	7.5	B13	0	A	B	12	200	100	950

MF (Maintenance Free)

Battery Size			Dimensions, inches				Base Hold-	Layout	Terminal	Cover Type	Voltage, V	RC, min	C20, Ah	CCA (SAE), A
BCI	JIS	DIN/EN	L	W	H	TH								
151R	B20	-	7.7	5.0	7.9	8.6	B00	0, 1	A, B	B, C	12	46	32	280
												54	36	310
												62	40	350
												68	44	380
												75	48	410
51, 51R	B24	-	9.3	5.0	7.9	8.6	B00	0, 1	A, B	B, C	12	54	36	310
												62	40	350
												68	44	380
												75	48	410
												82	52	440
-	N45	-	9.1	5.4	7.3	8.3	B06	0	DF	B	12	90	56	480
25, 35	D23	-	9.2	6.8	7.9	8.7	B01	0, 1	A	B, C, D	12	60	45	360
												65	38	350
												80	50	450
												100	65	550
24, 24R	D26	-	10.2	6.8	8.0	8.8	B01	0, 1	A	B, C, D	12	125	75	650
												65	38	350
												80	50	450
												100	65	550
27, 27R	D31	-	12.0	6.8	8.0	8.8	B01	0, 1	A	B, C, D	12	160	90	750
												80	50	450
												100	65	550
												125	75	650
31	-	-	13.0	6.8	8.5	9.4	B01	1	A, Stud	B, C	12	175	95	830
												210	110	1000
												100	65	550
												125	75	650
												160	90	750
99, 99R	-	LBN1	8.2	6.9	6.9	6.9	B13	0	A	B	12	50	38	370
												70	50	480
												90	60	580
90	-	LBN2	9.1	6.9	6.9	6.9	B13	0, 1	A	B	12	70	50	480
												90	60	580
												110	70	660
91	-	LBN3	10.7	6.9	6.9	6.9	B13	0, 1	A	B	12	90	60	580
												110	70	660
												130	80	740
92	-	LBN4	12.2	6.9	6.9	6.9	B13	0	A	B	12	110	70	660
												130	80	740
												160	90	800
93	-	LBN5	13.6	6.9	6.9	6.9	B13	0	A	B	12	130	80	740
												160	90	800
												180	100	860
140R	-	LN1	8.1	6.9	7.5	7.5	B13	0	A	B	12	75	50	450
47	-	LN2	9.1	6.9	7.5	7.5	B13	0, 1	A	B	12	80	50	450
												100	65	550
												125	75	650
48	-	LN3	10.7	6.9	7.5	7.5	B13	0, 1	A	B	12	100	65	550
												125	75	650
												160	90	750
94R	-	LN4	12.2	6.9	7.5	7.5	B13	0, 1	A	B	12	125	75	650
												160	90	750
												175	95	830

MF (Maintenance Free)

Battery Size			Dimensions, inches				Base Hold-	Layout	Terminal	Cover Type	Voltage, V	RC, min	C20, Ah	CCA (SAE), A
BCI	JIS	DIN/EN	L	W	H	TH								
49	-	LN5	13.6	6.9	7.5	7.5	B13	0	A	B	12	175	95	830
												180	100	900
												210	110	1000
95R	-	LN6	15.5	6.9	7.5	7.5	B13	0	A	B	12	200	110	850
34	-	-	10.2	6.5	7.2	8.0	B01	1	A	B	12	110	61	670
58	-	-	9.8	6.9	6.1	6.9	B01	0, 1	A	B	12	70	50	480
												90	60	580
												110	70	660
65	-	-	11.3	7.4	6.8	7.6	B01	1	A	B	12	90	60	580
												110	70	660
												130	80	740
75, 86/75	-	-	8.9	7.0		7.2	B01	1	Side, DT	B	12	80	50	450
												100	65	550
												125	75	650
78, 34/78	-	-	10.2	6.5	7.2	7.2	B01	1	Side, DT	B	12	87	48	520
												110	61	670
												122	67	720
												139	77	820
86	-	-	9.2	6.7	7.2	8.0	B05, B09	0	A, DF	B, C	12	79	43	470
												94	52	570
												110	61	670

LM (Low Maintenance)

Battery Size			Dimensions, inches				Base Hold-	Layout	Terminal	Cover Type	Voltage, V	RC, min	C20, Ah	CCA (SAE), A
BCI	JIS	DIN/EN	L	W	H	TH								
151R	B20	-	7.7	5.0	7.9	8.6	B00	0, 1	B	A	12	40	27	245
												50	34	285
												53	37	320
												60	40	350
51, 51R	B24	-	9.3	5.0	7.9	8.6	B00	0, 1	A, B	A	12	40	27	245
												50	34	285
												53	37	320
												60	40	350
												68	47	385
24, 24R	D26	-	10.2	6.8	7.9	8.7	B01	0, 1	A	A	12	75	50	450
												60	40	340
												80	50	410
												95	60	470
27, 27R	D31	-	12.0	6.8	8.0	8.8	B01	0, 1	A	A	12	115	70	540
												80	50	410
												95	60	470
												135	80	600
												155	90	670

Commercial Batteries

MF (Maintenance Free)

Battery Size			Dimensions, inches				Base Hold-	Layout	Terminal	Voltage, V	RC, min	C20, Ah	CCA (SAE), A
BCI	JIS	DIN/EN	L	W	H	TH							
31	-	-	13.0	6.8	8.5	9.4	B01	1	A, Stud	12	100	65	550
											125	75	650
											160	90	750
											175	95	830
											180	100	900
											210	110	1000
29H	E41 (N100)	-	15.9	6.8	8.3	9.1	B00	0, 1	A	12	100	65	550
											125	75	650
											160	90	750
											175	95	830
4DLT	-	-	20.0	8.7	8.3	9.3	B00	1	A	12	270	150	800
											290	160	900
-	F51 (N120)	-	19.9	7.1	8.3	9.3	B00	0	A	12	190	127	720
											220	143	800
											255	158	870
											285	174	950
4D	G51 (N150)	-	20.0	8.7	8.3	9.3	B00	0	A	12	190	127	720
											220	143	800
											255	158	870
											285	174	950
											320	190	1020
8D	H52 (N200)	-	20.6	10.9	8.9	9.8	B00	0	A	12	285	174	950
											320	190	1020
											350	205	1100
											385	219	1170
											415	234	1250

LM (Low Maintenance)

Battery Size			Dimensions, inches				Base Hold-	Layout	Terminal	Voltage, V	RC, min	C20, Ah	CCA (SAE), A
BCI	JIS	DIN/EN	L	W	H	TH							
4	N25	-	12.0	6.8	7.9	8.8	B00	0	A	6	300	135	915
29H	E41 (N100)	-	16.0	6.9	8.3	9.1	B00	0, 1	A	12	100	65	550
											125	75	650
											160	90	750
											175	95	830
-	F51 (N120)	-	19.9	7.1	8.1	9.1	B00	0	A	12	190	127	720
											220	143	800
											255	158	870
											285	174	950
4D	G51 (N150)	-	20.0	8.7	8.2	9.2	B00	0	A	12	190	127	720
											220	143	800
											255	158	870
											285	174	950
											320	190	1020
8D	H52 (N200)	-	20.6	10.9	8.4	9.5	B00	0	A	12	285	174	950
											320	190	1020
											350	205	1100
											385	219	1170
											415	234	1250

Lawn and Garden Batteries

Battery Size			Dimensions, inches				Base Hold-	Layout	Terminal	Voltage, V	RC, min	C20, Ah	CCA (SAE), A
BCI	JIS	DIN/EN	L	W	H	TH							
-	N24	-	7.2	4.9	6.3	6.9	B00	0, 1	Lug	12	30	25	220
											35	30	250
											45	35	290
U1, U1R	-	-	7.7	5.0	6.3	7.2	B00	0, 1	U1	12	30	25	220
											35	30	250
											45	35	290
											50	38	330
											60	45	360

Cranking Marine/RV Batteries

Battery Size			Dimensions, inches				Base Hold-	Layout	Terminal	Voltage, V	RC, min	C20, Ah	CCA (SAE), A
BCI	JIS	DIN/EN	L	W	H	TH							
24	D26	-	10.2	6.8	8.0	8.8	B01	1	MT	12	160	90	750
27	D31	-	12.0	6.8	8.0	8.8	B01	1	MT	12	175	95	830
31	-	-	13.0	6.8	8.5	9.4	B01	1	A, Stud	12	180	100	900

Dual Purpose Marine/RV Batteries

Battery Size			Dimensions, inches				Base Hold-	Layout	Terminal	Voltage, V	RC, min	C20, Ah	CCA (SAE), A
BCI	JIS	DIN/EN	L	W	H	TH							
24	D26	-	10.2	6.8	8.0	8.8	B01	1	MT	12	140	80	730
27	D31	-	12.0	6.8	8.0	8.8	B01	1	MT	12	165	90	830
31	G31	-	13.0	6.8	8.5	9.4	B01	1	A, Stud	12	200	100	950

Deep Cycle Marine/RV Batteries

Battery Size			Dimensions, inches				Base Hold-	Layout	Terminal	Voltage, V	RC, min	C20, Ah	CCA (SAE), A
BCI	JIS	DIN/EN	L	W	H	TH							
24	D26	-	10.2	6.8	7.9	8.7	B01	0	SM	12	130	85	-
								1	MT	12	130	85	-
27	D31	-	12.0	6.8	8.0	8.8	B01	0	SM	12	170	105	-
								1	MT	12	170	105	-
31	-	-	13.0	6.8	8.5	9.4	B00	1	A, Stud	12	200	120	-
							B01	0	MT	12	200	120	-
29H	E41 (N100)	-	15.4	6.9	7.8	8.6	B00	0	SM	12	170	105	-
-	F51 (N120)	-	19.9	7.1	8.1	9.1	B00	0	SM	12	200	120	-
4D	G51 (N150)	-	20.0	8.7	8.2	9.2	B00	0	SM	12	270	150	-
8D	H52 (N200)	-	20.6	10.9	8.4	9.5	B00	0	SM	12	430	220	-

Golf Cart / Industrial Batteries

Battery Size			Dimensions, inches				Base Hold-	Layout	Terminal	Voltage, V	RC, min	C20, Ah	CCA (SAE), A
BCI	JIS	DIN/EN	L	W	H	TH							
GC2	-	-	10.2	7.0	9.6	11.1	B00	0	SM	6	125 ^a	240	-
											105 ^a	220	-
GC8	-	-	10.3	7.1	9.6	11.2	B00	1	SM	8	125 ^b	190	-
GC12	-	-	12.9	7.1	9.8	11.0	B00	1	DT-M8	12	105 ^b	150	-
305 (902)	-	-	11.7	6.9	13.5	14.4	B00	0	DT-5/16"	6	195 ^a	330	-
L16 (903)	-	-	11.7	6.9	15.8	16.7	B00	0	DT-5/16"	6	220 ^a	420	-

a - discharge at 75 A, b - discharge at 56 A