



Douglas Battery Manufacturing Company  
 500 Battery Drive, P.O. Box 12159  
 Winston-Salem, NC 27117-2159  
 Corporate Offices 1-800-368-4527  
 Customer Service 1-888-368-4527  
 www.douglasbattery.com  
 email - cservice@douglasbattery.com

Effective May 1, 2001

Supersedes all previous information. Subject to Change Without Notice

BCI GROUP SIZE	BATTERY TYPE	ITEM NO.	CRANKING PERFORMANCE AMPS		RESERVE CAPACITY MINUTES @ 80°F	BCI MAXIMUM OVERALL DIMENSIONS (INCHES)		
			@ 32°F **	@ 0°F		LENGTH	WIDTH	HEIGHT
<b>12 VOLT AUTOMOTIVE -- DUAL TERMINAL/UNIVERSAL</b>								
34/78	OMNI-1000	138	960	800	120	10 1/4	7 1/16	7 7/8
	OMNI-700	186	780	650	105	10 1/4	7 1/16	7 7/8
26/70	OMNI-800	140	840	700	100	8 3/16	7 1/16	7 3/4
	OMNI-600	139	660	550	95	8 3/16	7 1/16	7 3/4
	OMNI-500	176	540	450	70	8 3/16	7 1/16	7 3/4
<b>12 VOLT AUTOMOTIVE AND LIGHT COMMERCIAL - FULL LINE</b>								
22F	22F-575	033	500	420	55	9 1/2	6 7/8	8 5/16
22NF	22NF	029	400	330	50	9 7/16	5 1/2	8 15/16
24	24-775	012	840	700	115	10 1/4	6 13/16	8 7/8
	24-675	013	630	525	80	10 1/4	6 13/16	8 7/8
	24-575	014	540	450	75	10 1/4	6 13/16	8 7/8
	24-475	015	420	350	50	10 1/4	6 13/16	8 7/8
24F	24F-775	023	840	700	115	10 3/4	6 13/16	9
	24F-675	024	630	525	80	10 3/4	6 13/16	9
	24F-575	025	540	450	75	10 3/4	6 13/16	9
	24F-475	026	420	350	50	10 3/4	6 13/16	9
25	25-675	027	695	580	90	9 1/16	6 7/8	8 7/8
26/26R	26/26R-675	021	660	550	85	8 3/16	6 13/16	7 3/4
	26/26R-575	122	540	450	70	8 3/16	6 13/16	7 3/4
27	27-775	117	840	700	115	12 1/16	6 13/16	8 7/8
	27-675	010	630	525	80	12 1/16	6 13/16	8 7/8
27F	27F-775	011	840	700	115	12 1/2	6 13/16	8 15/16
29NF	29NF	020	420	350	85	13	5 1/2	8 15/16
34	34-775	061	840	700	105	10 1/4	6 13/16	7 7/8
	34-675	993	660	550	85	10 1/4	6 13/16	7 7/8
35	35-675	032	695	580	90	9 1/16	6 7/8	8 7/8
41	41-675	123	780	650	100	11	6 7/8	6 7/8
42	42-675	034	500	415	75	9 9/16	6 7/8	6 7/8
45	45-675	088	540	450	70	9 7/16	5 1/2	8 15/16
48	48-675	573	780	650	120	11	6 7/8	7 1/2
49	49-675	574	1050	875	185	13 7/8	6 7/8	7 1/2
51	51-675	162	540	450	70	9 3/8	5 1/16	8 13/16
51R	51R-675	192	540	450	70	9 3/8	5 1/16	8 13/16
55	55-675	089	630	525	90	8 5/8	6 1/16	8 3/8
58	58-775	101	720	600	90	10 1/16	7 3/16	6 15/16
	58-675	120	660	550	85	10 1/16	7 3/16	6 15/16
	58-575	995	510	425	70	10 1/16	7 3/16	6 15/16
58R	58R-775	187	720	600	90	10 1/16	7 3/16	6 15/16
62	62-675	127	630	525	90	8 7/8	6 3/8	8 7/8
64	64-775	130	775	645	115	11 11/16	6 3/8	8 7/8
65	65-775	068	950	850	155	12 1/16	7 1/2	7 9/16
	65-675	069	780	650	125	12 1/16	7 1/2	7 9/16
70	70-675	124	660	550	85	8 3/16	7 1/16	7 11/16
	70-575	126	540	450	70	8 3/16	7 1/16	7 11/16
74	74-775	098	840	700	115	10 1/4	7 1/4	8 3/4
	74-675	115	630	525	80	10 1/4	7 1/4	8 3/4
75	75-775	018	840	700	105	9 1/16	7 1/16	7 11/16
	75-675	019	660	550	85	9 1/16	7 1/16	7 11/16
	75-575	996	540	450	70	9 1/16	7 1/16	7 11/16
78	78-775	108	960	800	120	10 1/4	7 1/16	7 11/16
	78-675	113	780	650	105	10 1/4	7 1/16	7 11/16
90	90-675	109	600	500	95	9 9/16	6 7/8	6 7/8
91	91-675	110	780	650	100	11	6 7/8	6 7/8
93	93-675	111	900	750	155	13 7/8	6 7/8	6 7/8
94R	94R-675	575	920	765	130	12 3/8	6 7/8	7 1/2

**CRANKING PERFORMANCE**

The primary function of the battery is to provide power to crank the engine during starting. This requirement involves a large discharge in amperes over a short span of time. Therefore, the CRANKING PERFORMANCE rating is defined as: The discharge load in amperes which a new fully charged battery at 0°F (-17.8°C) can deliver for 30 seconds and maintain a voltage of 1.2 volts per cell or higher.

\*\* Battery Council International no longer recognizes the 32°F (0°C) rating, therefore, the 32°F (0°C) Cranking Performance ratings is now a calculated rating.

**RESERVE CAPACITY**

A battery must provide emergency power for ignition, lights, etc., in the event of failure in the vehicle's battery recharging system. This requirement involves a discharge at normal temperature. The RESERVE CAPACITY rating is defined as: The number of minutes a new fully charged battery at 80°F (26.7°C) can be discharged at 25 amperes and maintain a voltage of 1.75 volts per cell or higher.

\*\*\*AMP HOUR RATING

BCI GROUP SIZE	BATTERY TYPE	ITEM NO.	CRANKING PERFORMANCE AMPS		RESERVE CAPACITY MINUTES @ 80°F	BCI MAXIMUM OVERALL DIMENSIONS (INCHES)		
			@ 32°F **	@ 0°F		LENGTH	WIDTH	HEIGHT
<b>12 VOLT BUS, TRUCK AND OFF-HIGHWAY EQUIPMENT</b>								
4D	4D-3	043	1380	1150	325	20 3/4	8 3/4	9 7/8
	4D-2	042	1110	925	240	20 3/4	8 3/4	9 7/8
8D	8D-HP	827	1860	1550	510	20 3/4	11 1/8	9 7/8
	8D-3	045	1680	1400	435	20 3/4	11 1/8	9 7/8
	8D-2	102	1350	1125	310	20 3/4	11 1/8	9 7/8
30H	30H-3	106	900	750	180	13 1/2	6 13/16	9 1/4
	30H-2	039	780	650	160	13 1/2	6 13/16	9 1/4
<b>31 FLEET SERIES - EXTREME DUTY - ANCHOR BONDED</b>								
31	31-650	079	780	650	160	13	6 13/16	9 7/16
	31-650T	104	780	650	160	13	6 13/16	9 7/16
	31-750	095	900	750	180	13	6 13/16	9 7/16
	31-750T	105	900	750	180	13	6 13/16	9 7/16
	31-950	103	1140	950	205	13	6 13/16	9 7/16
	31-950T	107	1140	950	205	13	6 13/16	9 7/16
<b>6 VOLT BUS, TRUCK AND OFF-HIGHWAY EQUIPMENT</b>								
1	1	001	720	600	135	9 1/4	7 1/8	9 3/8
2	2	004	840	700	180	10 3/8	7 1/8	9 3/8
4	4-4	048	1200	1000	285	13 1/8	7 1/8	9 3/8
	4-3	047	1080	900	220	13 1/8	7 1/8	9 3/8
7D	7D	049	1080	900	320	16 1/4	7 1/8	9 3/8
3EH	3EH	055	1110	925	300	19 5/16	4 3/8	9 13/16
<b>12 VOLT FARM EQUIPMENT AND COMMERCIAL</b>								
3EE	3EE	008	480	400	90	19 5/16	4 3/8	8 7/8
4DLT	4DLT	051	1140	950	240	20	8 3/16	7 15/16
3ET	3ET	054	600	500	125	19 5/16	4 3/8	9 13/16
<b>LAWN MOWER, GARDEN TRACTOR AND SNOWMOBILE</b>								
U1	U1L-HP	094	360	300	32	7 3/4	5 3/16	7 5/16
	U1L-H	074	295	245	30	7 3/4	5 3/16	7 5/16
	U1L	067	200	165	20	7 3/4	5 3/16	7 5/16
U1R	U1R-HP	994	360	300	32	7 3/4	5 3/16	7 5/16
	U1R-H	075	295	245	30	7 3/4	5 3/16	7 5/16
	U1R	066	200	165	20	7 3/4	5 3/16	7 5/16
<b>DEEP CYCLE</b>								
			<b>32° ** / 0°F</b>	<b>***AH RATING @ 20 HR Rate</b>	<b>RC @ 80°F</b>			
U1	U1-DC	017	---	30	45*	7 3/4	5 3/16	7 5/16
22NF	22NF-DC	009	---	45	75*	9 7/16	5 1/2	7 5/16
24M	24DCM	981	600 / 500	85	135*	10 3/4	6 3/4	10 1/16
27M	27DCM	987	720 / 600	95	155*	12 3/8	6 3/4	10 1/16
	27DCM COMBO	985	750 / 625	105	165*	12 3/8	6 3/4	10 1/16
	27SUPER DCM	983	750 / 625	125	190*	12 3/8	6 3/4	10 1/16
31M	31DCM	989	960 / 800	130	200*	13	6 13/16	10 1/16
<b>*PEAK PERFORMANCE MINUTES @ 80° AND 25 AMP DISCHARGE</b>								
<b>12 VOLT MARINE STARTING</b>								
			<b>@ 32°F **</b>	<b>@ 0°F</b>	<b>RC @ 80°F</b>			
24	FOURSTAR-24	998	840	700	115	10 7/8	6 3/4	9 3/4
	CAPTAIN -24	975	600	500	80	10 7/8	6 3/4	9 3/4
	FIRST MATE-24	977	500	420	70	10 7/8	6 3/4	9 3/4
<b>12 VOLT - SPECIAL US ORDNANCE APPLICATIONS</b>								
6TL	6TL	829	990	825	205	11 3/16	10 1/2	9
<b>8 VOLT STARTING</b>								
	8V-1	057	500	420	110	9	6 7/8	8 3/4
<b>8 VOLT COMMERCIAL MARINE</b>								
	8V-29M	059	180 @ 20 HR RATE	---	---	21 1/2	7 1/2	10
	8V-25M	092	200 @ 20 HR RATE	---	---	24 7/16	7 1/2	10 3/4
<b>6 VOLT GOLF CARS &amp; ELECTRIC VEHICLES</b>								
GC2	EV-125	100	235 @ 20 HR RATE	---	@ 75 amps 125	10 3/8	7 3/16	11 3/16**
	GC-110	071	217 @ 20 HR RATE	---	110	10 3/8	7 3/16	11 3/16**
<b>** Height Depends On Terminal Type</b>								
<b>8 VOLT GOLF CARS &amp; ELECTRIC VEHICLES</b>								
GC2	GC-8-120	571	165 @ 20 HR RATE	---	@ 75 amps 120	10 1/4	7 1/8	11 1/8**
<b>** Height Depends On Terminal Type</b>								
<b>6 AND 12 VOLT - FLOOR SCRUBBER AND SWEEPER</b>								
					@ 25 amps			
	6V-225S	093	250 @ 20 HR RATE	---	535	11 3/4	7 1/8	11 1/2**
	6V-305S	070	305 @ 20 HR RATE	---	660	11 5/8	7 1/8	14 1/16**
	6V-370S	090	350 @ 20 HR RATE	---	760	11 11/16	7 1/8	16 15/16**
	12V-170S	072	180 @ 20 HR RATE	---	306	15 7/8	7	14 11/16**
	12V-215S	129	212 @ 20 HR RATE	---	376	15 1/2	7	14 1/4**
<b>** Height Depends On Terminal Type</b>								



BATTERY TYPE	ITEM NO.	VOLT	CAPACITY A.H. (10 HR)	C.C.A. @ 0°F	BATTERY WEIGHT DRY (LBS)	BCI MAXIMUM OVERALL DIMENSIONS (INCHES)		
						LENGTH	WIDTH	HEIGHT
<b>SUREPOWER MOTORCYCLE BATTERIES</b>								
<b>Sealed, Non - Spillable</b>								
YTX20L-BS	361	12	18	270	11.2	6 7/8	3 5/16	6 1/16
YTX9-BS	362	12	8	120	6.0	6	3 1/2	4 3/16
YTX20-BS	363	12	18	270	11.2	6 7/8	3 5/16	6 1/16
<b>SUREPOWER MOTORCYCLE BATTERIES</b>								
<b>Premium Performance</b>								
12N12A-4A-1	201	12	12	113	6.8	5 3/8	3 3/16	6 3/8
12N14-3A	206	12	14	128	7.5	5 3/8	3 9/16	6 5/8
12N5-4B	205	12	5	39	3.1	4 3/4	2 3/8	5 1/8
12N7-4A	203	12	8	74	4.9	5 3/8	3	5 1/4
12N9-4B-1	202	12	9	85	5.1	5 7/16	3	5 9/16
6N6-3B	204	6	6	---	2.0	3 7/8	2 1/4	4 3/8
HYB16A-AB	208	12	16	210	8.4	6	3 5/8	7 1/8
Y50-N18L-A3	213	12	20	260	11.2	8 1/8	3 9/16	6 7/16
YB10A-A2	392	12	11	160	7.1	5 3/8	3 9/16	6 1/8
YB10L-A2	214	12	11	160	7.1	5 3/8	3 9/16	5 3/4
YB10L-B	393	12	11	160	7.1	5 3/8	3 9/16	5 3/4
YB12A-A	217	12	12	165	7.1	5 3/8	3 3/16	6 3/8
YB12AL-A	394	12	12	165	7.1	5 3/8	3 3/16	6 3/8
YB14-A2	225	12	14	190	7.9	5 3/8	3 9/16	6 5/8
YB14A-A1	395	12	14	190	7.9	5 3/8	3 9/16	7
YB14A-A2	215	12	14	190	7.9	5 3/8	3 9/16	7
YB14L-A2	216	12	14	190	7.9	5 3/8	3 9/16	6 5/8
YB16-B	218	12	19	240	10.4	6 15/16	4	6 1/8
YB16-B-LM	396	12	19	255	10.4	6 15/16	4	6 1/8
YB16CL-B	222	12	19	240	10.4	6 15/16	4	6 7/8
YB16HL-A-LM	397	12	19	255	10.4	6 15/16	4	6 1/8
YB16L-B	212	12	19	240	10.4	6 15/16	4	6 1/8
YB18L-A	219	12	18	235	9.7	7 1/8	3 5/8	6 7/16
YB4L-B	224	12	4	56	2.8	4 3/4	2 13/16	3 5/8
YB5L-B	221	12	5	65	3.5	4 3/4	2 3/8	5 1/8
YB9A-A	390	12	9	124	5.3	5 7/16	3	6 13/16
YB9-B	220	12	9	130	5.3	5 7/16	3	5 9/16
YB9L-B	391	12	9	130	5.3	5 7/16	3	5 9/16
YHD-12	210	12	28	240	13.3	8 1/16	5 3/16	6 1/2
YT4L-BS	207	12	3	35	2.9	4 3/8	2 1/5	3 13/16
YTX12-BS	209	12	10	180	7.8	6	3 1/2	5 1/8
YTX14-BS	223	12	12	200	8.4	6	3 1/2	5 13/16
SY50-N18-L-A	398	12	20	260	11.2	8 1/8	3 9/16	6 7/16

\*This battery includes a sensor

All Sure Power motorcycle batteries are dry charged and are supplied with an acid package for activation. Please follow included instructions carefully for activation.



Guardian SLA Type	Douglas Item #	BCI Group Size	Capacity <sup>1</sup> (Ah)		Dimensions								
			20 hr	8 hr	Length		Width		Height		Weight		
					in.	mm	in.	mm	in.	mm	lb.	kg.	
<b>4 Volt Models</b>													
DG4-7F	227	N/A	7	6.2	2.52	64	2.08	53	3.92	100	1.90	0.9	
DG4-10F	228	N/A	10	8.8	4.02	102	1.97	50	3.92	100	3.10	1.4	
<b>6 Volt Models</b>													
DG6-1F	229	N/A	1	0.9	2.00	51	1.65	42	2.20	56	0.60	0.3	
DG6-3F	230	N/A	3	2.6	5.28	134	1.34	34	2.56	65	1.50	0.7	
DG6-4F	231	N/A	4	3.5	2.63	67	2.63	67	4.28	109	2.00	0.9	
DG6-4E	232	N/A	4	3.5	2.63	67	2.63	67	4.28	109	2.00	0.9	
DG6-5F	234	N/A	5	4.4	2.76	70	1.89	48	4.25	108	1.95	0.9	
DG6-5W	447	N/A	5	4.4	2.76	70	1.89	48	4.25	108	1.90	0.9	
DG6-7F	233	N/A	7	6.2	5.95	151	1.34	34	3.86	98	3.00	1.4	
DG6-8F	264	N/A	8	7.0	3.89	99	2.20	56	4.65	118	3.30	1.5	
DG6-9.5A	236	N/A	9.5	8.4	4.26	108	2.75	70	5.54	141	4.90	2.2	
DG6-9.5T	263	N/A	9.5	8.4	4.26	108	2.75	70	5.54	141	4.90	2.2	
DG6-9.5T2	250	N/A	9.5	8.4	4.26	108	2.75	70	5.54	141	4.90	2.2	
DG6-10F	238	N/A	10	8.8	5.95	151	2.00	51	3.86	98	4.60	2.1	
DG6-12A	239	N/A	12	11	4.26	108	2.75	70	5.54	141	5.20	2.4	
DG6-36G	245	N/A	36	32	6.28	159	3.39	85	6.95	176	13.80	6.2	
DG6-36NB	246	N/A	36	32	6.28	159	3.39	85	6.95	176	13.80	6.2	
DG6-190J	428	GC2	190	167	10.62	270	7.35	187	11.60	295	77.20	35.0	
<b>12 Volt Models</b>													
DG12-1.2F	247	N/A	1.2	0.6	3.82	97	1.65	42	2.13	54	1.30	0.6	
DG12-2F	248	N/A	2	1.8	7.01	178	1.34	34	2.56	65	1.90	0.9	
DG12-3F	249	N/A	3	2.6	5.23	134	2.64	67	2.60	66	2.60	1.2	
DG12-4.5F	237	N/A	4.5	4.0	3.54	90	2.76	70	4.21	107	4.10	1.9	
DG12-7F	252	N/A	7	6.2	5.95	151	2.56	65	3.86	98	5.70	2.6	
DG12-12A	255	N/A	12	11	8.38	213	2.75	70	5.50	140	10.70	4.9	
DG12-12G	450	N/A	12	11	5.95	151	3.86	98	3.94	100	9.00	4.1	
DG12-18NB	235	N/A	18	16	7.13	181	3.00	76	6.59	167	13.10	5.9	
DG12-26NB	298	N/A	26	23	6.55	166	6.88	175	4.95	126	20.80	9.4	
DG12-28NB	240	N/A	28	25	6.55	166	4.95	126	6.89	175	19.40	8.8	
DG12-32J	262	U1	32	28	7.70	196	5.19	132	7.00	178	26.50	12.0	
DG12-32JH	242	U1	32	28	7.70	196	5.19	132	7.00	178	26.50	12.0	
DG12-40NB	431	N/A	40	35	7.75	197	6.50	165	6.75	172	30.50	13.8	
DG12-45U	425	22NF	45	40	9.04	230	5.45	138	8.95	227	41.10	18.6	
DG12-55J	432	45	55	48	9.04	230	5.45	138	8.98	228	41.10	18.6	
DG12-55JH	433	45	55	48	9.86	250	5.45	138	8.98	228	41.10	18.6	
DG12-55S	434	45	55	48	9.04	230	5.45	138	8.98	228	41.10	18.6	
DG12-70J	435	24	70	62	10.25	260	6.60	168	8.98	228	54.70	24.9	
DG12-70JH	436	24	70	62	11.09	282	6.60	168	8.98	228	54.70	24.9	
DG12-70S	437	24	70	62	10.25	260	6.60	168	8.98	228	54.70	24.9	
DG12-80J	243	24	80	70	10.25	260	6.60	168	8.98	228	54.70	24.9	
DG12-80JH	446	24	80	70	11.09	282	6.60	168	8.98	228	54.70	24.9	
DG12-80S	297	24	80	70	10.25	260	6.60	168	8.98	228	54.70	24.9	
DG12-100J	442	27	100	88	12.00	305	6.60	168	8.98	228	65.70	29.8	
DG12-100JH	443	27	100	88	12.95	329	6.60	168	8.98	228	65.70	29.8	
DG12-125J	429	N/A	125	110	13.54	344	6.85	174	11.79	299	100.0	45.4	
DG12-185C	430	4D	185	163	22.47	571	8.80	224	10.10	257	152.00	68.9	

1 - Ah based on 1.75 Vpc @ 77°F (25°C)

Guardian SLA Type	Douglas Item #	BCI Group Size	Capacity <sup>1</sup> (Ah)		Dimensions							
			20 hr	8 hr	Length		Width		Height		Weight	
					in.	mm	in.	mm	in.	mm	lb.	kg.
<b>12 Volt Absorbed Glass Mat Marine</b>												
DG12-32M	286	U1	32	28	7.70	196	5.19	132	7.60	193	26.50	12.0
DG12-55M	448	45	55	48	9.86	250	5.45	138	9.58	243	41.10	18.6
DG12-70M	438	24	70	62	11.09	282	6.60	168	9.58	243	55.10	25.0
DG12-80M	283	24	80	70	11.09	282	6.60	168	9.58	243	54.70	24.9
DG12-100M	444	27	100	88	12.95	329	6.60	168	9.58	243	65.70	29.8

1 - Ah based on 1.75 Vpc @ 77°F (25°C)



## Chargers

Item #	Type	Charger Type	Output Voltage	Output Current	Suggested Battery Size
314	C6300T	Taper	6	300 mA	up to 3 Ah
315	C6800T	Taper	6	800 mA	up to 8 Ah
316	C12300T	Taper	12	300 mA	up to 3 Ah
317	C12800T	Taper	12	800 mA	up to 8 Ah
318	C6300F	Float	6	300 mA	up to 3 Ah
319	C6800F	Float	6	800 mA	up to 8 Ah
320	C12500F	Float	12	500 mA	up to 5 Ah
488	DGC12-6TS	Float	12	6A	28 Ah / 55 Ah
489	DGC12-10TSP	Float	12	10A	70 Ah / 100 Ah
490	DGC 12-30TSP	Float	12	30A	100 Ah /165 AH

### GUARDIAN Terminal Types

**A** - Polarized quick disconnect tabs,  
Positive: 0.250 in. x 0.032 in.  
Negative: 0.187 in. x 0.032 in.  
Mate with AMP, INC. FASTON "250/187" series

**C** - Copper inserted terminals

**E** - Coil spring terminals

**F** - Quick disconnect tabs, 0.187 in. x 0.032 in.

**G** - Quick disconnect tabs, 0.250 in. x 0.032 in.

**J** - Heavy duty posts for nut and bolt terminals

**H** - Includes carrying handle

**M** - Marine combination terminals

**NB** - Terminal posts with 5 mm nut & bolt fasteners

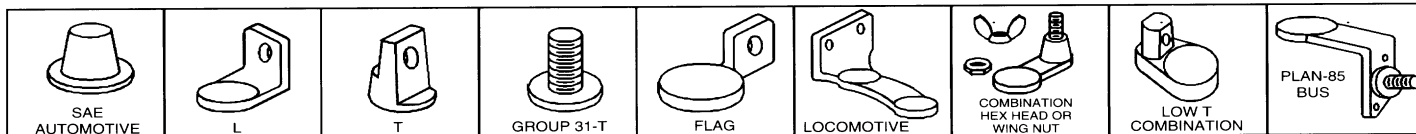
**S** - Standard SAE automotive posts

**T** - Wire leads with molded SAE type plug.  
Battery leads are fused.

**T2** - Wire leads with molded Anderson connector.  
Battery leads are fused.

**W** - Leads terminated with free hanging AMP, INC. MATE-N-LOK connector. Socket housing 1-480318-0 mates with pin housing 1-480319-0.

### AUTOMOTIVE and COMMERCIAL Terminal Types



**Specify Terminal Types For: Golf Car, Sweeper-Scrubber, and 8V-Marine.**

**L Terminal** Is Standard On U1, **Flag Terminal** Is Standard On 8V Marine, **T Terminal** Is Standard On GC-2 Batteries

# WARRANTY

## DOUGLAS BATTERY MANUFACTURING COMPANY

### LIMITED WARRANTY

**I. 90-DAY Limited Warranty:** If within a period of 90 days after date of sale to the original purchaser, a Douglas battery becomes unserviceable in normal use, due to defective workmanship and/or material (not merely discharged), Douglas will replace it with an equivalent new Douglas battery without charge to the original purchaser. Replacement will be made by an authorized Douglas battery dealer or wholesaler. Douglas will assist purchasers in locating an authorized dealer or wholesaler.

**II. Adjustment Service Limited Warranty:** The period during which a Douglas battery is warranted against defects in material and/or workmanship (not merely discharge) is measured in months of service. The number of months of adjusted service is determined by the type of battery and type of service (consumer or commercial) in which it is used. Undelivered months of service is the difference between the months of adjusted service and the actual service received.

**Adjustment Service:** After 90 days from the date of sale to the original purchaser but before the termination of the months of adjusted service, if a defect in material and/or workmanship (not merely discharged) should become apparent in any type of battery, the battery can be exchanged by the original purchaser for a new Douglas battery of equal or greater capacity on an adjusted service basis:

1. Credit toward the purchase of such a new battery will be equal to the owner's retail "cost per month" of the replacement battery multiplied by the number of undeliverable months of service.
2. The owner's retail "cost per month" is determined by dividing number of warranted months of service into the current Douglas battery suggested list price.
3. The adjustment will be made by any authorized Douglas battery dealer or wholesaler. Douglas will assist purchasers in locating an authorized dealer or wholesaler.

**III. Limitations:**

A. The 90-day limited warranty and adjustment service limited warranty do not apply to failure in service due to:

Improper Installation.

Wreckage, freezing, explosion, fire or other accidental damage.

Cracked cases, covers, terminal post and burnt straps, bulging or distorted cases, resulting from neglect or abuse.

**III. Limitations (cont)**

Use of group size smaller than group size of original equipment battery.

Failure to have battery inspected and serviced periodically.

Addition to the battery of any chemical or solution other than approved water or battery grade sulfuric acid of proper gravity.

B. The 90-day limited warranty and adjustment service warranty are void if the date code symbols on the battery are removed or destroyed.

**IV. NO ADDITIONAL WARRANTIES AND LIMITATIONS OR DURATION OF WARRANTIES**

A. For consumer and commercial batteries. Douglas makes no express warranties other than its 90-day limited warranty and adjusted service limited warranty.

B. For COMMERCIAL BATTERIES, DOUGLAS makes no implied warranties and hereby EXPRESSLY EXCLUDES any IMPLIED WARRANTY OF MERCHANTABILITY and WARRANTY of FITNESS FOR A PARTICULAR PURPOSE.

C. FOR CONSUMER BATTERIES, DOUGLAS LIMITS the DURATION of any IMPLIED WARRANTY or WARRANTY of FITNESS FOR A PARTICULAR PURPOSE arising under state law to the DURATION of its ADJUSTED SERVICE LIMITED WARRANTY. Some states do not allow limitation on how long an implied warranty lasts, so the above limitations may not apply to you.

**V. LIMITATION OF DAMAGES AND EXCLUSION OF CONSEQUENTIAL DAMAGES**

The liability of Douglas for breach of any express or implied warranty or contract with respect to all batteries is limited to the repair, replacement, or adjustment credit outlined in Douglas' 90-day limited warranty and adjustment service limited warranty, and IN NO EVENT IS DOUGLAS LIABLE FOR ANY CONSEQUENTIAL DAMAGES whatsoever (except to the extent under state law whereby consequential damages cannot be limited or excluded). The limitations also apply to Douglas' liability on account of any negligence whatsoever on its part with respect to all batteries. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.