

TROJAN[®]

MARINE/RV

Product Selection and Maintenance Guide



MORE POWER. LONGER LIFE.

Including

MINN KOTA

Marine Batteries by Trojan[®]

Building Better Batteries Since 1925

DEEP CYCLE BATTERY BATTERY MAINTENANCE



SAFETY

- *Keep flames, sparks or metal objects away from batteries
- *Always wear protective clothing, gloves and goggles when handling batteries
- *Check that terminals are properly tightened; terminals that are too tight or too loose could result in post breakage, meltdown or fire

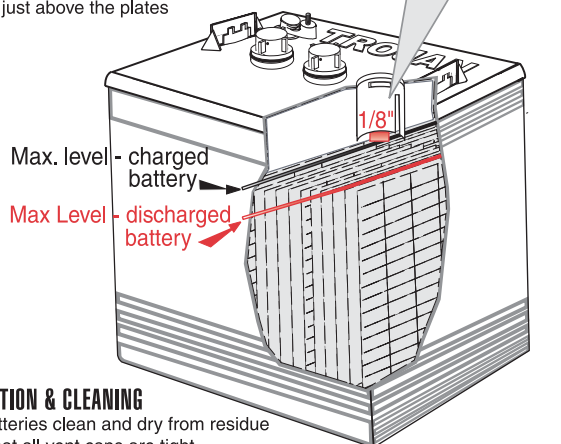
WATERING

- *Add water, never acid, to cells (distilled water recommended)
- ***DO NOT OVERWATER!**
- *If the batteries are fully charged add water to a level of 1/8" below bottom of fill well
- *If the batteries are discharged add water to a level just above the plates

Electrolyte 1/8" Below
Bottom of Fill Well

Fill Well

Electrolyte



INSPECTION & CLEANING

- *Keep batteries clean and dry from residue
- *Check that all vent caps are tight
- *Use a solution of baking soda and water to clean if there is acid residue on batteries or corrosion on the terminals
- *Terminal protectors or protective spray should be applied to terminals to reduce corrosion

STORAGE

- *Batteries should be fully charged prior to and during storage
- *Never store discharged batteries
- *Store batteries in a cool, dry place
- *Recharge batteries before putting them back into service

To obtain detailed deep cycle battery maintenance information visit our website at www.trojanbattery.com.

 **Trojan**[®]
BATTERY COMPANY

Available from Master Distributors Worldwide
800-423-6569 • www.trojanbattery.com
Trojan - Clean energy for life[™]

CHECK THE SPECS.

BCI Group Size	Type	Capacity ^A Minutes		Cranking Performance		5 Hr ^D Rate AH	20 Hr ^E Rate AH	Voltage	Terminal Config. see photos to the right	Dimensions ^F inches (mm)			Weight lbs. (kg)
		@25 Amps	@75 Amps	CCA ^B @0°F	CA ^C @32°F					L	W	H	
		TROJAN - SCS DEEP CYCLE - 12 VOLT											
24	SCS150	150	36	530	650	80	100	12	8	11 1/4 (286)	6 3/4 (171)	9 3/4 (248)	50 (23)
27	SCS200	200	52	620	760	95	115	12	8	12 3/4 (324)	6 3/4 (171)	9 3/4 (248)	60 (27)
30H	SCS225	225	57	665	820	105	130	12	8	13 15/16 (355)	6 3/4 (171)	9 3/4 (248)	66 (30)
TROJAN MARINE/RV - STARTING/DEEP CYCLE - 12 VOLT													
24	24TMS	125	34	470	575	62	72	12	12, 13	11 1/4 (286)	6 3/4 (171)	9 3/4 (248)	41 (19)
27	27TMS	145	39	550	675	73	85	12	12, 13	12 3/4 (324)	6 3/4 (171)	9 3/4 (248)	48 (22)
24	24TM	135	34	550	675	66	85	12	12, 13	11 1/4 (286)	6 3/4 (171)	9 3/4 (248)	44 (20)
27	27TM	160	38	630	770	79	105	12	12, 13	12 3/4 (324)	6 3/4 (171)	9 3/4 (248)	50 (23)
TROJAN MARINE/RV - STARTING - 12 VOLT													
24	24SM-550	65	-	420	515	-	-	12	13	11 1/4 (286)	6 3/4 (171)	9 3/4 (248)	36 (16)
24	24SM-650	85	-	520	635	-	-	12	13	11 1/4 (286)	6 3/4 (171)	9 3/4 (248)	38 (17)
24	24SM-850	125	-	700	860	-	-	12	13	11 1/4 (286)	6 3/4 (171)	9 3/4 (248)	43 (20)
24	24SM-1000	165	-	825	1025	-	-	12	13	11 1/4 (286)	6 3/4 (171)	9 3/4 (248)	49 (22)
27	27SM-1100	205	-	860	1050	-	-	12	13	12 3/4 (324)	6 3/4 (171)	9 3/4 (248)	55 (25)
TROJAN MARINE/RV - MAINTENANCE-FREE STARTING - 12 VOLT													
24	24SM-550MF	65	-	420	515	-	-	12	13	10 3/16 (258)	6 1/2 (165)	9 7/8 (251)	36 (16)
24	24SM-650MF	85	-	520	635	-	-	12	13	10 3/16 (258)	6 1/2 (165)	9 7/8 (251)	38 (17)
24	24SM-850MF	125	-	700	860	-	-	12	13	10 3/16 (258)	6 1/2 (165)	9 7/8 (251)	43 (20)
24	24SM-1000MF	165	-	825	1025	-	-	12	13	10 3/16 (258)	6 1/2 (165)	9 7/8 (251)	49 (22)
TROJAN - MAINTENANCE-FREE/SPILL PROOF AGM - 6/12 VOLT													
24	24-AGM	130	-	440	620	61	80	12	13	10 13/16 (259)	6 5/8 (168)	9 1/4 (236)	52 (24)
27	27-AGM	175	-	560	780	76	100	12	13	12 (305)	6 5/8 (168)	9 1/2 (243)	66 (30)
31	31-AGM	190	-	720	950	83	110	12	13	13 1/16 (208)	6 7/8 (174)	9 (231)	71 (32)
4D	4D-AGM	325	-	1110	1420	131	165	12	13	20 7/8 (530)	8 1/4 (209)	9 3/4 (247)	115 (52)
8D	8D-AGM	460	-	1450	1850	179	230	12	13	20 1/2 (521)	10 9/16 (269)	9 1/4 (236)	155 (70)
GC2	6V-AGM	385	-	1100	1400	154	200	6	13	10 1/4 (260)	7 1/16 (179)	11 (280)	65 (29)

MINN KOTA BY TROJAN DEEP CYCLE - 12 VOLT													
24	MK24DC	140	36	440	540	70	85	12	12	11 1/4 (286)	6 3/4 (171)	9 3/4 (248)	47 (21)
27	MK27DC	175	45	530	650	85	105	12	12	12 3/4 (324)	6 3/4 (171)	9 3/4 (248)	55 (25)
30H	MK31DC	225	57	665	820	105	130	12	12	13 15/16 (355)	6 3/4 (171)	9 3/8 (238)	66 (30)
MINN KOTA BY TROJAN DUAL PURPOSE STARTING/DEEP CYCLE - 12 VOLT													
24	MK24DP	125	34	470	575	62	72	12	12	11 1/4 (286)	6 3/4 (171)	9 3/4 (248)	41 (19)
27	MK27DP	145	39	550	675	73	85	12	12	12 3/4 (324)	6 3/4 (171)	9 3/4 (248)	48 (22)
MINN KOTA BY TROJAN STARTING - 12 VOLT													
24	MK550ST	65	-	420	515	-	-	12	13	11 1/4 (286)	6 3/4 (171)	9 3/4 (248)	36 (16)
24	MK650ST	85	-	520	635	-	-	12	13	11 1/4 (286)	6 3/4 (171)	9 3/4 (248)	38 (17)
24	MK1000ST	165	-	825	1025	-	-	12	13	11 1/4 (286)	6 3/4 (171)	9 3/4 (248)	49 (22)
MINN KOTA BY TROJAN VALVE REGULATED (AGM) DUAL PURPOSE STARTING/DEEP CYCLE - 12 VOLT													
24	MK24AGM	130	-	440	620	61	80	12	11	10 13/16 (259)	6 5/8 (168)	8 7/8 (226)	52 (24)
27	MK27AGM	175	-	560	780	76	99	12	11	12 (305)	6 5/8 (168)	9 3/16 (233)	66 (30)
31	MK31AGM	190	-	720	950	83	110	12	11	13 1/16 (208)	6 7/8 (174)	8 11/16 (221)	71 (32)

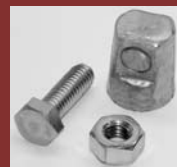
PRODUCT SPECIFICATIONS - FOOTNOTES

- Reserve Capacity or Capacity - the number of minutes a battery can be discharged at 25 or 75 amps at 80°F and maintain a voltage above 1.75 v/cell.
- C.C.A. (Cold Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintained for 30 seconds at 0°F at a voltage above 1.2 v/cell.
- C.A. (Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintained for 30 seconds at 32°F at a voltage above 1.2 v/cell. This is sometimes referred to as marine cranking amps @ 32°F or M.C.A. @ 32°F. or 75 amps at 80°F and maintain a voltage above 1.75 v/cell.
- 5 hour rate is based on IEC (International Electrotechnical Commission) temperature standard of 30°C (86°F).
- 20 hour rate is a BCI sanctioned rating expressing ampere hours required to achieve an end voltage of 1.75 v/cell at 80°F and represents the batteries maximum capacity.
- All dimensions taken from bottom of battery to top of terminal. Heights may vary according to type of terminals specified.

Terminal Configurations



8- Dual Wingnut Terminal (DWNT)



11- Universal Terminal (UT)



12- Wingnut Terminal (WNT)



13- Marine Dual Terminal (APW)