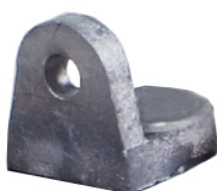
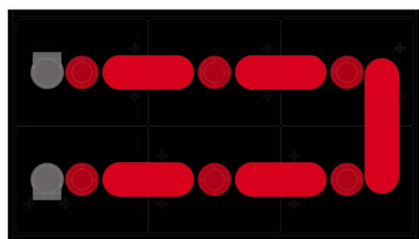


FLOODED DEEP CYCLE BATTERY

12 CS 13P



Series	5000	Warranty	5 Years
Volts	12	Design	SPEC
Cells	6	Plates/Cell	13
Terminal Type	Flag L		
Included Hardware	S/S Hex Cap Screw, Nut, Lock & Flat Washer		
Size & Thread	5/16"-18		
Cables	19" 4/0 interconnect cables *RE incl.		

Charge

Charge Voltage Range	14.7-15 V/cell @ 25°C (77°F)
Recommended Charge Current	45 A
Maximum Charge Current	70 A
Self-Discharge Rate	5%-10% per month at 25°C (77°F)

Capacity

Cold Crank Amps (CCA) 0°F / -18°C		1045			
Marine Crank Amps (MCA) 32°F / 0°C		1306			
Reserve Capacity (RC @ 25A)		1068 Minutes			
Reserve Capacity (RC @ 75A)		356 Minutes			
Capacity Affect by Temperature	40°C (104°F)	25°C (77°F)	0°C (32°F)	-15°C (5°F)	
	105%	100%	75%	50%	

Hour Rate	Capacity / AMP Hour	Current / AMPs
@ 100 Hour Rate	574 AH	5.74 A
@ 72 Hour Rate	543 AH	7.54 A
@ 50 Hour Rate	514 AH	10.28 A
@ 20 Hour Rate	445 AH	20.25 A
@ 15 Hour Rate	414 AH	27.59 A
@ 10 Hour Rate	396 AH	39.61 A
@ 8 Hour Rate	383 AH	47.84 A
@ 5 Hour Rate	356 AH	71.20 A
@ 1 Hour Rate	200 AH	200.25 A

Ampere hour capacity ratings based on specific gravity of 1.280 at 27°C (80°F). Reduce capacities 5% for specific gravity of 1.265 and 10% for 1.250.

Specifications

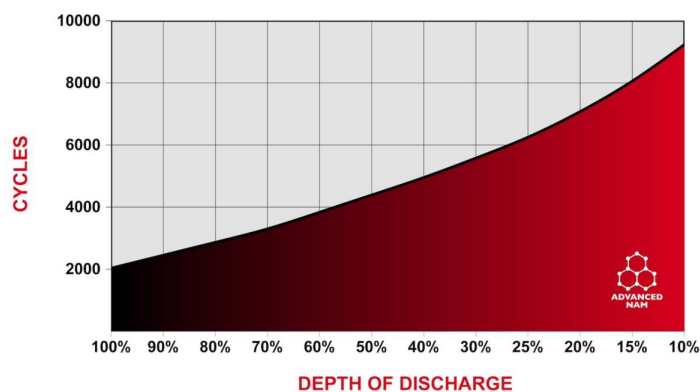
Weight	136 kg	300 lbs
Length	492 mm	19.38"
Width	273 mm	10.75"
Height Incl. Term.	425 mm	16.75"

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process & battery components.

Electrolyte Reserve	8.6 mm	3.38"
Handles	Integrated Top Mount	

- Plastics are UL94 HB (UL94-V2 available)
- Plastics are impact copolymer rated to ASTM D256, D5420
- Vented design with integral flame arrestor vent caps

Cycle Life vs. Depth of Discharge



Voltage vs. Depth of Discharge

DISCHARGE	0%	25%	50%	75%	100%
20 HR AH RATE	2.10 V	2.05 V	2.02 V	1.96 V	1.75 V
6 HR AH RATE	2.10 V	2.04 V	2.00 V	1.95 V	1.75 V
1 HR AH RATE	2.10 V	2.03 V	1.99 V	1.94 V	1.75 V

Detailed Illustration

