

FLOODED DEEP CYCLE BATTERY

2 YS 31P



Series	5000	Warranty	5 Years
Volts	2	BCI	SPEC
Cells	1	Plates/Cell	31
Terminal Type	Flag		
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	2.45-2.5 V/cell @ 25°C (77°F)
Float Voltage Range	2.25 V/cell @ 25°C (77°F)
Self-Discharge Rate	5%-10% per month at 25°C (77°F)

Capacity

Cold Crank Amps (CCA) 0°F / -18°C		5741			
Marine Crank Amps (MCA) 32°F / 0°C		7176			
Reserve Capacity (RC @ 25A)		6065 Minutes			
Reserve Capacity (RC @ 75A)		2022 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	3260 AH	32.60 A
@ 72 Hour Rate	3083 AH	42.82 A
@ 50 Hour Rate	2919 AH	58.38 A
@ 20 Hour Rate	2527 AH	126.36 A
@ 15 Hour Rate	2350 AH	156.69 A
@ 10 Hour Rate	2249 AH	224.92 A
@ 8 Hour Rate	2173 AH	271.67 A
@ 5 Hour Rate	2022 AH	404.35 A
@ 1 Hour Rate	1137 AH	1137.24 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.

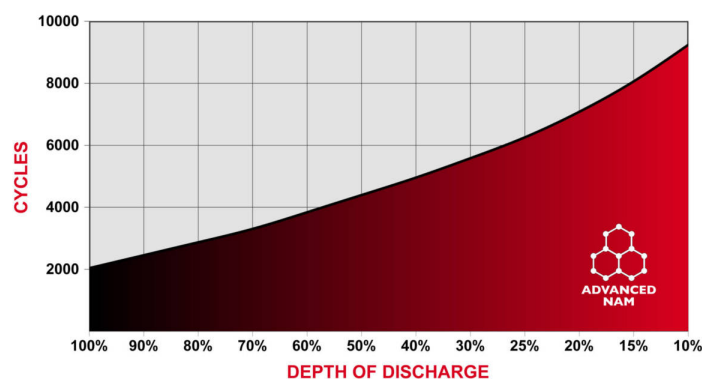
Specifications

	Weight	129 kg	284.5 lbs
	Length	39.4 cm	15.5"
	Width	22.9 cm	9"
	Height Inc. Term.	80.3 cm	31.63"

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

Electrolyte Reserve	95 mm	3.75"
Container (Inner)	Polypropylene	
Cover (Inner)	Polypropylene - heat sealed to inner container	
Container (Outer)	High Density Polyethylene	
Cover (Outer)	High Density Polyethylene snap fit to outer container	
Handles	Molded	

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

Rev.#3 | May 2019