

FLOODED DEEP CYCLE BATTERY

2 YS 31P



Series	FLA SERIES 5000	Warranty	5 Years
Volts	2	Design	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 | Discharge

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

Specifications

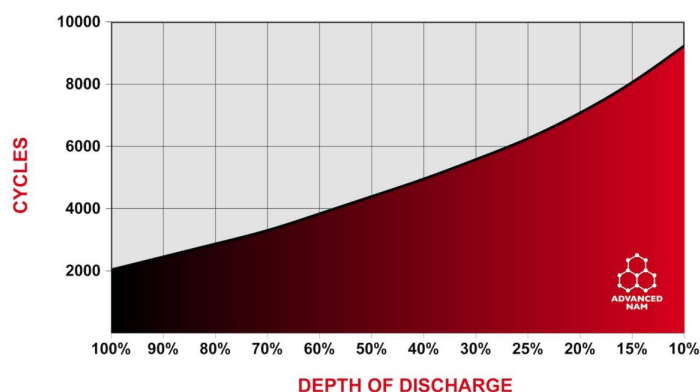
Weight	129 kg	284.5 lbs
Length	394 mm	15.5"
Width	229 mm	9"
Height Incl. Term.	803 mm	31.63"

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	

- 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



Designed in compliance with applicable BCI, DIN, BS & IEC standards.
Tested in compliance to BCI & IEC standards.



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