Rolls

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

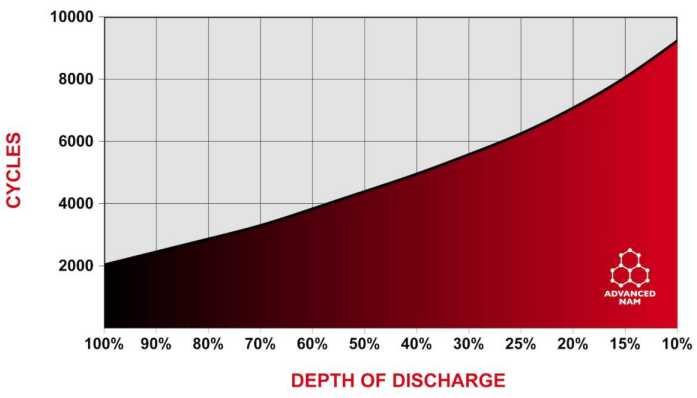
Weight	129 kg	284.5 lbs
Length	394 mm	15.5"
Width	229 mm	9"
Height Incl. Term.	803 mm	31.63"

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

BCI BATTERY COUNCIL INTERNATIONAL

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

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