

FLOODED DEEP CYCLE BATTERY

2 YS 27P



Series	5000	Warranty	5 Years
Volts	2	Design	SPEC
Cells	1	Plates/Cell	27
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	4975
Marine Crank Amps (MCA) 32°F / 0°C	6219
Reserve Capacity (RC @ 25A)	5257 Minutes
Reserve Capacity (RC @ 75A)	1752 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	2825 AH	28.25 A
@ 72 Hour Rate	2672 AH	37.11 A
@ 50 Hour Rate	2530 AH	50.59 A
@ 20 Hour Rate	2190 AH	109.51 A
@ 15 Hour Rate	2037 AH	135.79 A
@ 10 Hour Rate	1949 AH	194.93 A
@ 8 Hour Rate	1884 AH	235.45 A
@ 5 Hour Rate	1752 AH	350.44 A
@ 1 Hour Rate	986 AH	985.61 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

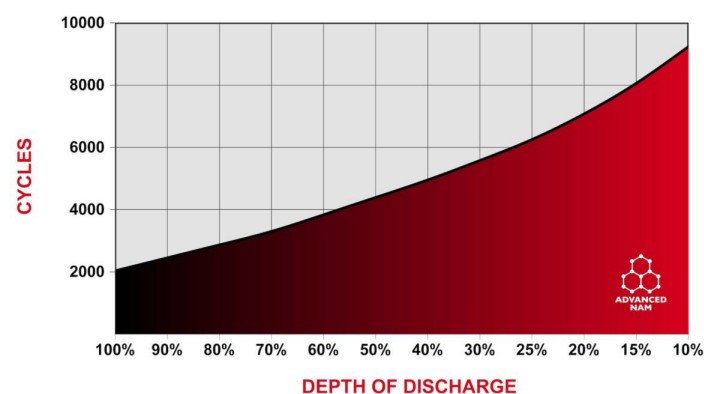
Certified System SAI GLOBAL ISO 9001 Quality	Weight	111.5 kg	246 lbs
	Length	356 mm	14"
	Width	229 mm	9"
	Height Incl. Term.	803 mm	31.63"

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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