

## FLOODED DEEP CYCLE BATTERY

## 8 NS 23PR



Series	5000	Warranty	5 Years
Volts	8	Design	SLI
Cells	4	Plates/Cell	23
Terminal Type		Flag RR	

### 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	1559
Marine Crank Amps (MCA) 32°F / 0°C	1949
Reserve Capacity (RC @ 25A)	1123 Minutes
Reserve Capacity (RC @ 75A)	374 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	<b>538 AH</b>	<b>5.38 A</b>
@ 72 Hour Rate	<b>524 AH</b>	<b>7.28 A</b>
@ 50 Hour Rate	<b>505 AH</b>	<b>10.11 A</b>
@ 20 Hour Rate	<b>468 AH</b>	<b>23.40 A</b>
@ 15 Hour Rate	<b>440 AH</b>	<b>29.33 A</b>
@ 10 Hour Rate	<b>421 AH</b>	<b>42.12 A</b>
@ 8 Hour Rate	<b>402 AH</b>	<b>50.31 A</b>
@ 5 Hour Rate	<b>374 AH</b>	<b>74.88 A</b>
@ 1 Hour Rate	<b>220 AH</b>	<b>219.96 A</b>

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

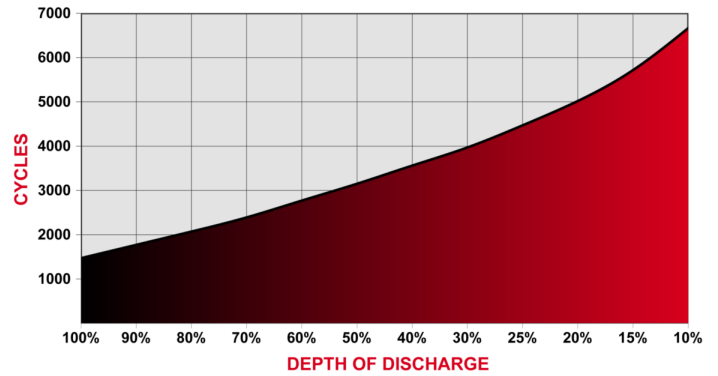
Weight	109.5 kg	241.5 lbs
Length	718 mm	28.25"
Width	210 mm	8.25"
Height Incl. Term.	464 mm	18.25"

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

Electrolyte Reserve	143 mm	5.63"
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

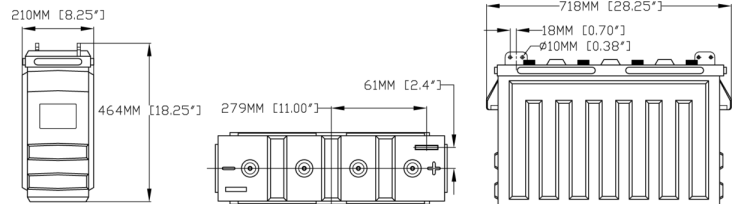
### Cycle Life vs. Depth of Discharge



### 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

### Detailed Illustration



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

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