

# Rolls



## FLOODED DEEP CYCLE BATTERY

## 6 HHG 31P



Series	4000	Warranty	See Warranty Terms
Volts	6	BCI	SPEC
Cells	3	Plates/Cell	31
Terminal Type	Flag RR		
Included Hardware	S/S Hex Cap Screw, Nut, Lock & Flat Washer		
Size & Thread	5/16"-18		

### 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	1337
Marine Crank Amps (MCA) 32°F / 0°C	1671
Reserve Capacity (RC @ 25A)	826 Minutes
Reserve Capacity (RC @ 75A)	275 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>458 AH</b>	<b>4.58 A</b>
@ 72 Hour Rate	<b>433 AH</b>	<b>6.02 A</b>
@ 50 Hour Rate	<b>409 AH</b>	<b>8.19 A</b>
@ 20 Hour Rate	<b>344 AH</b>	<b>17.2 A</b>
@ 15 Hour Rate	<b>327 AH</b>	<b>21.79 A</b>
@ 10 Hour Rate	<b>303 AH</b>	<b>30.27 A</b>
@ 8 Hour Rate	<b>296 AH</b>	<b>36.98 A</b>
@ 5 Hour Rate	<b>272 AH</b>	<b>54.35 A</b>
@ 1 Hour Rate	<b>138 AH</b>	<b>137.6 A</b>

Amphere hour capacity ratings based on specific gravity of 1.280 at 25°C (77°F). Reduce capacities 5% for specific gravity of 1.265 and 10% for 1.250.

### Specifications



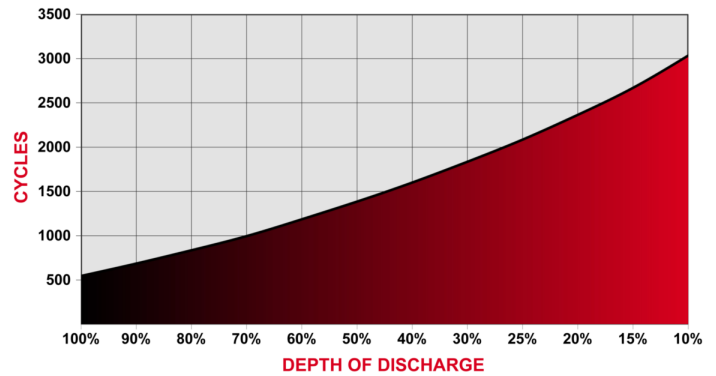
SAI GLOBAL  
ISO 9001  
Quality

Weight	56.5 kg	124.5 lbs
Length	52.7 cm	20.75"
Width	20.3 cm	8"
Height Inc. Term.	30.2 cm	11.88"

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

Electrolyte Reserve	70 mm	2.75"
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	2.07 V	2.00 V	1.92 V	1.75 V
10 HR AH RATE	2.10 V	2.06 V	1.98 V	1.89 V	1.75 V
3 HR AH RATE	2.10 V	2.03 V	1.95 V	1.86 V	1.75 V
1 HR AH RATE	2.10 V	2.01 V	1.93 V	1.84 V	1.75 V

Rev.#3 | May 2018