

# Rolls



## FLOODED DEEP CYCLE BATTERY

## 12 FS 31



Series	FS	Warranty	1 Year
Volts	12	BCI	Grp 31
Cells	6	Plates/Cell	11
Terminal Type	DT		
Included Hardware	Stainless Steel K-Lock Nut		
Size & Thread	5/16"-18		

### Charge

Charge Voltage Range	14.7-15 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	670
Marine Crank Amps (MCA) 32°F / 0°C	906
Reserve Capacity (RC @ 25A)	216 Minutes
Reserve Capacity (RC @ 75A)	64 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>173 AH</b>	<b>1.73 A</b>
@ 20 Hour Rate	<b>130 AH</b>	<b>6.5 A</b>
@ 10 Hour Rate	<b>111 AH</b>	<b>11.05 A</b>
@ 5 Hour Rate	<b>98 AH</b>	<b>19.5 A</b>

Ampere 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



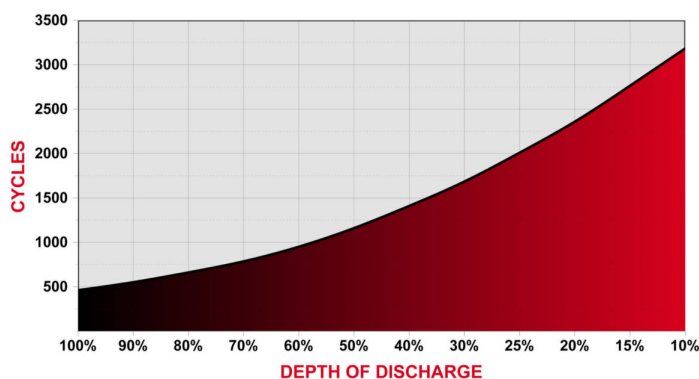
SAI GLOBAL  
ISO 9001  
Quality

Weight	29.5 kg	65 lbs
Length	33 cm	13"
Width	17.1 cm	6.75"
Height Inc. Term.	24.1 cm	9.5"

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	38 mm	1.5"
Container	Polypropylene	
Cover	Polypropylene	
Handles	Top Mount Plastic	

### 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

### Detailed Illustration

