# Rolls

# FLOODED DEEP CYCLE BATTERY

# 4 CH 23PR





| | | | |
|---|---|---|---|
| Series | FLA SERIES 5000 | Warranty | 5 Years |
| Volts | 4 | Design | SLI |
| Cells | 2 | Plates/Cell | 23 |
| Terminal Type | | Flag RR | |
| Included Hardware | | S/S Hex Cap Screw, Nut, Lock & Flat Washer | |
| Size & Thread | | 5/16"-18 | |

## 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 | 1893 |
| Marine Crank Amps (MCA) 32°F / 0°C | 2367 |
| Reserve Capacity (RC @ 25A) | 1510 Minutes |
| Reserve Capacity (RC @ 75A) | 503 Minutes |

| Hour Rate | Capacity / AMP Hour | Current / AMPs |
|---|---|---|
| @ 100 Hour Rate | **723 AH** | **7.23 A** |
| @ 72 Hour Rate | **704 AH** | **9.78 A** |
| @ 50 Hour Rate | **679 AH** | **13.59 A** |
| @ 20 Hour Rate | **629 AH** | **31.45 A** |
| @ 15 Hour Rate | **591 AH** | **39.42 A** |
| @ 10 Hour Rate | **566 AH** | **56.61 A** |
| @ 8 Hour Rate | **541 AH** | **67.62 A** |
| @ 5 Hour Rate | **503 AH** | **100.64 A** |
| @ 1 Hour Rate | **296 AH** | **295.63 A** |

## Specifications

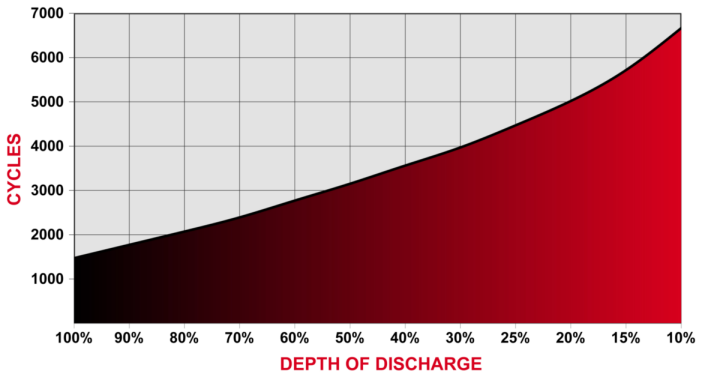
| | | |
|---|---|---|
| Weight | 58 kg | 128 lbs |
| Length | 365 mm | 14.38" |
| Width | 210 mm | 8.25" |
| Height Incl. Term. | 464 mm | 18.25" |

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

| | | |
|---|---|---|
| Electrolyte Reserve | 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 | Rope / Plastic Handle | |

- Plastics are UL94 HB (UL94-V2 available)
- Plastics are impact copolymer rated to ASTM D256, D5420
- Vented design with integral flame arrestor vent caps

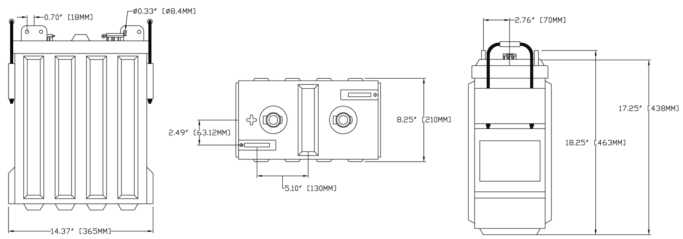
## Cycle Life vs. Depth of Discharge




## 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




BCI BATTERY COUNCIL INTERNATIONAL

CE

ISO 9001:2015 CERTIFICATION intertek 0122624

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

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