

## OPzS Series SLA Battery

## Opzs Series

Bosfa Opzs Series Lead Acid batteries are designed with a combination of die-casting Tubular positive framework and superfluous electrolyte technologies to offer a very high lever of reliability and a long service life. Opzs batteries used special filter and proof design to ensure no acid fog runs over and burning proof, and also convenient examine and maintenance.

## Application

Telecommunications  
Cable Television  
Electric Utility  
Control Equipment  
Security System

Medical Equipment  
UPS  
Railroad Utility  
Photovoltaic System  
Alternative Energy System

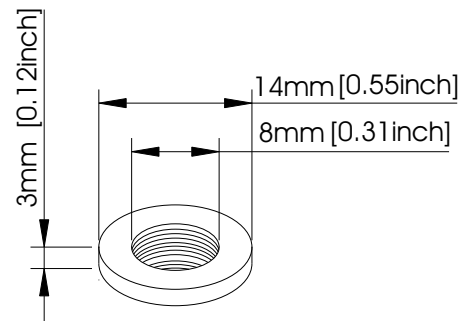
## General Features

Maintenance convenient.  
Non-Spillable construction design.  
Transparent containers, convenient to observe.  
Special filter installation for acid fog proof.  
High quality and high reliability.  
Super long service life.  
Special pole sealed technology.  
Super reliability.

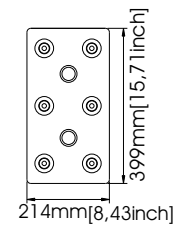
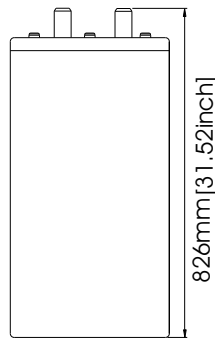
## Construction

Component .....Raw material  
Positive .....Lead dioxide  
Negative .....Lead  
Container .....AS  
Cover .....AS

Terminal .....Copper  
Separator .....Rubber-PVC  
Electrolyte .....Sulfuric acid

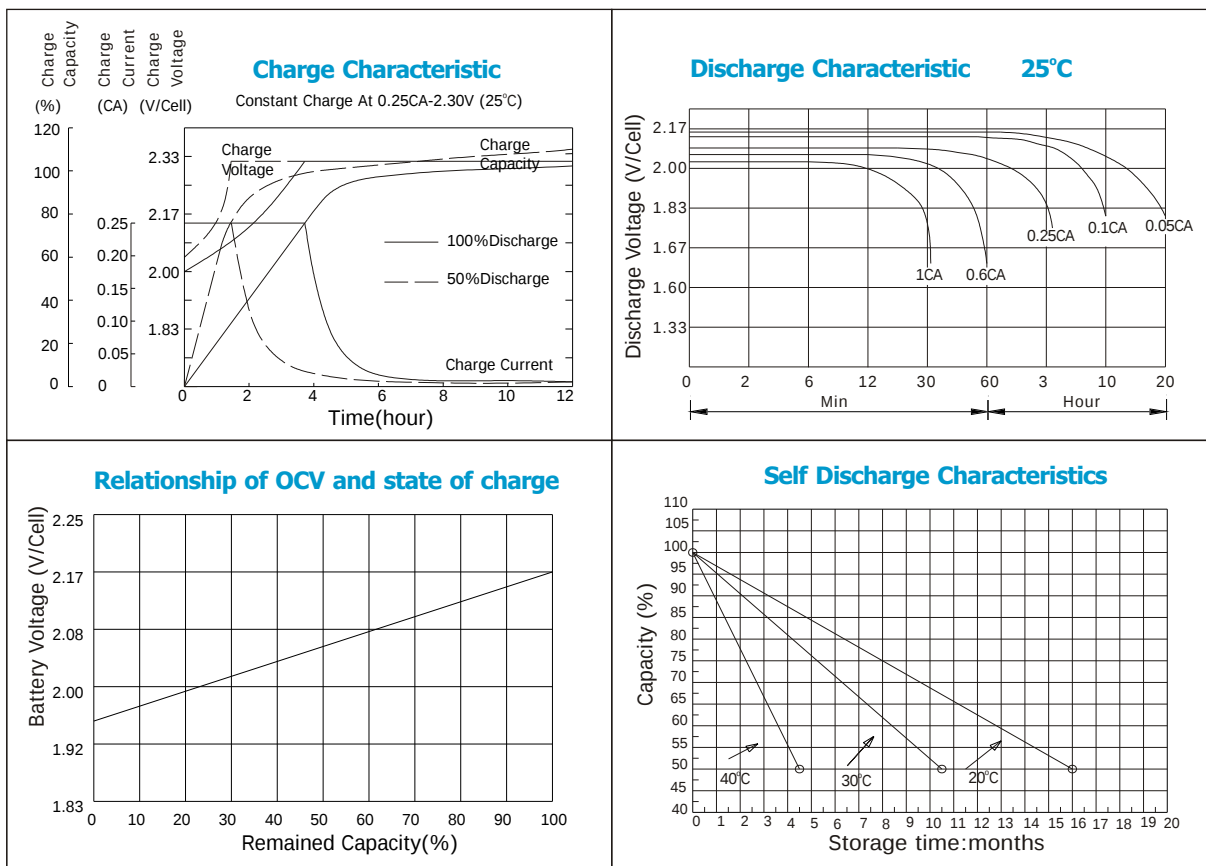


Terminal Dimensions



| Battery Model                    | OPzS 2-2000                                                                     |                  |                   |                  |
|----------------------------------|---------------------------------------------------------------------------------|------------------|-------------------|------------------|
| Designed Floating Life           | 15 Years                                                                        |                  |                   |                  |
| Capacity(25°C)                   | 24HR(100A,1.85V)                                                                | 10HR(200A,1.80V) | 5HR(336A,1.77V)   | 1HR(992A,1.67V)  |
|                                  | 2400AH                                                                          | 2000AH           | 1680AH            | 992AH            |
| Dimensions                       | Length                                                                          | Width            | Height            | Total Height     |
|                                  | 399mm(15.71inch)                                                                | 214mm(8.43inch)  | 771mm(30.35inch)  | 826mm(30.52inch) |
| Approx. Weight                   | Without electrolyte:123 Kg (271.2 lbs)      with electrolyte: 166 Kg(366.0 lbs) |                  |                   |                  |
| Internal Resistance              | Full charged at 25°C: 0.0005 Ohm                                                |                  |                   |                  |
| Self Discharge                   | 3% of capacity declined per month at (25°C)                                     |                  |                   |                  |
| Capacity Affected by Temp.(20HR) | 40°C                                                                            | 25°C             | 0°C               | -15°C            |
|                                  | 102%                                                                            | 100%             | 85%               | 65%              |
| Charge Voltage(25°C)             | Cycle use                                                                       |                  | Float use         |                  |
|                                  | 2.35V-2.4V(-5mV/ °C), max. Current: 300A                                        |                  | 2.24V(-3.3mV/ °C) |                  |

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## Constant current discharge ratings-amperes at 25°C

| TIME            | 1HR  | 3HR  | 5HR  | 10HR | 24HR | 48HR | 72HR | 96HR | 120HR | 240HR |
|-----------------|------|------|------|------|------|------|------|------|-------|-------|
| CUT-OFF VOLTAGE | 1.67 | 1.75 | 1.77 | 1.80 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85  | 1.85  |
| CAPACITY(AH)    | 992  | 1488 | 1680 | 2000 | 2400 | 2680 | 2800 | 2810 | 2820  | 2880  |

## Constant power discharge ratings-watts at 25°C

| TIME            | 1HR  | 3HR  | 5HR  | 10HR | 24HR | 48HR | 72HR | 96HR | 120HR | 240HR |
|-----------------|------|------|------|------|------|------|------|------|-------|-------|
| CUT-OFF VOLTAGE | 1.67 | 1.75 | 1.77 | 1.80 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85  | 1.85  |
| CAPACITY(WH)    | 1309 | 2515 | 2789 | 3180 | 3504 | 3913 | 4088 | 4103 | 4117  | 4205  |

