

OPzS Series

From 100Ah to 3000Ah

Tubular flooded battery for toughest requirements

The OPzS series is a traditional tubular plate flooded battery which offers 20+ years design life. According to the standard IEC60896-11. With a new design and technical improvement, it offers maximum efficiency and reliability for the widest variety of applications. This series is highly suitable for all standby power applications that requires the highest levels of reliability and security.

More than 3800 cycles @50%DOD, 6000cycles @30%DOD

General Feature

- Tubular positive plate with prolonged cycle life
- Wide operating temperature range from -40°C to 60°C
- Tubular positive plate with prolonged cycle life
- Lead calcium die cast grid with improved corrosion resistance capability
- Dry charged package and delivery ensure longer shelf life
- Explosive-proof with special designed vented plug
Excellent deep discharge recovery capability

Construction

- Positive plate — Tubular plate with die cast Pb-Sb alloy grid
- Negative plate — Balanced Pb-Ca grid for improved recombination efficiency
- Separator — Leaf shape rubber separator
- Electrolyte — Dilute high purity sulphuric acid of 1.24 specific gravity
- Battery container is SAN, cover is ABS
- Pillar seal — 100% factory tested, proven two layers epoxy resin seal
- Relief valve — Complete with integrated flame arrestor

Applications

- Telecom
- Electric utilities
- Railroad utilities
- Outdoor applications
- Power utility
- UPS systems
- Photovoltaic systems
- Medical equipments
- Renewable energy system



General specifications

| BATTERY TYPE | NOMINAL VOLTAGE (V) | NOMINAL CAPACITY (AH) | DIMENSION(mm) | | | | TERMINAL | WEIGHT(kg) | |
|--------------|---------------------|-----------------------|---------------|-------|--------|--------------|----------|---------------------|------------------|
| | | | LENGTH | WIDTH | HEIGHT | TOTAL HEIGHT | | Without electrolyte | With electrolyte |
| OPzS2-100 | 2 | 100 | 103 | 206 | 354 | 409 | T5 | 8.0 | 12.0 |
| OPzS2-150 | 2 | 150 | 103 | 206 | 354 | 409 | T5 | 10.5 | 14.5 |
| OPzS2-200 | 2 | 200 | 103 | 206 | 354 | 409 | T5 | 13.0 | 17.5 |
| OPzS2-250 | 2 | 250 | 124 | 206 | 354 | 409 | T5 | 15.5 | 20.5 |
| OPzS2-300 | 2 | 300 | 145 | 206 | 354 | 409 | T5 | 17.3 | 23.3 |
| OPzS2-350 | 2 | 350 | 124 | 206 | 471 | 525 | T5 | 20.4 | 27.0 |
| OPzS2-420 | 2 | 420 | 145 | 206 | 471 | 525 | T5 | 24.0 | 32.5 |
| OPzS2-500 | 2 | 500 | 166 | 206 | 471 | 525 | T5 | 26.0 | 36.0 |
| OPzS2-600 | 2 | 600 | 145 | 206 | 645 | 700 | T5 | 32.0 | 42.8 |
| OPzS2-800 | 2 | 800 | 191 | 210 | 645 | 700 | T5 | 42.0 | 58.0 |
| OPzS2-1000 | 2 | 1000 | 233 | 210 | 645 | 700 | T5 | 53.5 | 73.5 |
| OPzS2-1200 | 2 | 1200 | 275 | 210 | 645 | 700 | T5 | 62.5 | 85.0 |
| OPzS2-1500 | 2 | 1500 | 275 | 210 | 795 | 850 | T5 | 71.0 | 98.0 |
| OPzS2-2000 | 2 | 2000 | 399 | 212 | 772 | 826 | T5 | 106.0 | 146.0 |
| OPzS2-2500 | 2 | 2500 | 487 | 212 | 772 | 826 | T5 | 131.0 | 183.0 |
| OPzS2-3000 | 2 | 3000 | 576 | 212 | 772 | 826 | T5 | 155.0 | 218.0 |
| OPzS12-200 | 12 | 200 | 489 | 259 | 235 | 240 | T5 | 54.6 | 71.5 |

XC SERIES
AGM VRLA battery

FT SERIES
Fast charge sealed battery

XL SERIES
2v long life battery

UPS SERIES
High rate battery

DC SERIES
Deep cycle battery

DC SERIES
Deep cycle gel battery

CB SERIES
Lead carbon battery

OPzV SERIES
Tubular gel battery

OPzS SERIES
Tubular flooded battery