

12V50Ah @ 10HR

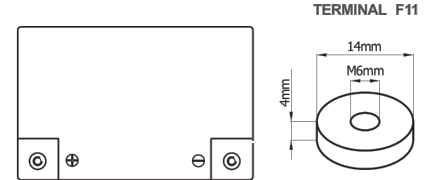
Rekoser OPzS Battery

Rekoser OPzS battery. 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 suited for all standby power applications that require the highest levels of reliability and security.



Complied standards

- IEC 60896-11
- DIN40736
- IEC61427
- Eurobat guide, long life
- BS6290 part 4



SPECIFICATIONS

| | | | | |
|----------------------------------|---|-------------|---------------------------------------|-------------|
| Nominal Voltage | 12V | | | |
| Capacity (25°C) | 50Ah @ 10HR 54Ah @ 20HR 67.5 @ 100HR | | | |
| Internal Resistance | Approx. 0.35mOhm (fully charged @ 20°C) | | | |
| Self Discharge | 3% of capacity declined per month at 20°C | | | |
| Cell number | 6 cells | | | |
| Capacity Affected by Temperature | 102% (40°C) | 100% (25°C) | 85% (0°C) | 65% (-15°C) |
| Charge Voltage (25°C) | Cycle - 14.1-14.4V (-5mV / o C/ cell) | | Float - 13.2-13.5V (-3mV / o C/ cell) | |
| Max. Charge Current | 240A | | | |
| Max. Discharge Current | 2500A | | | |

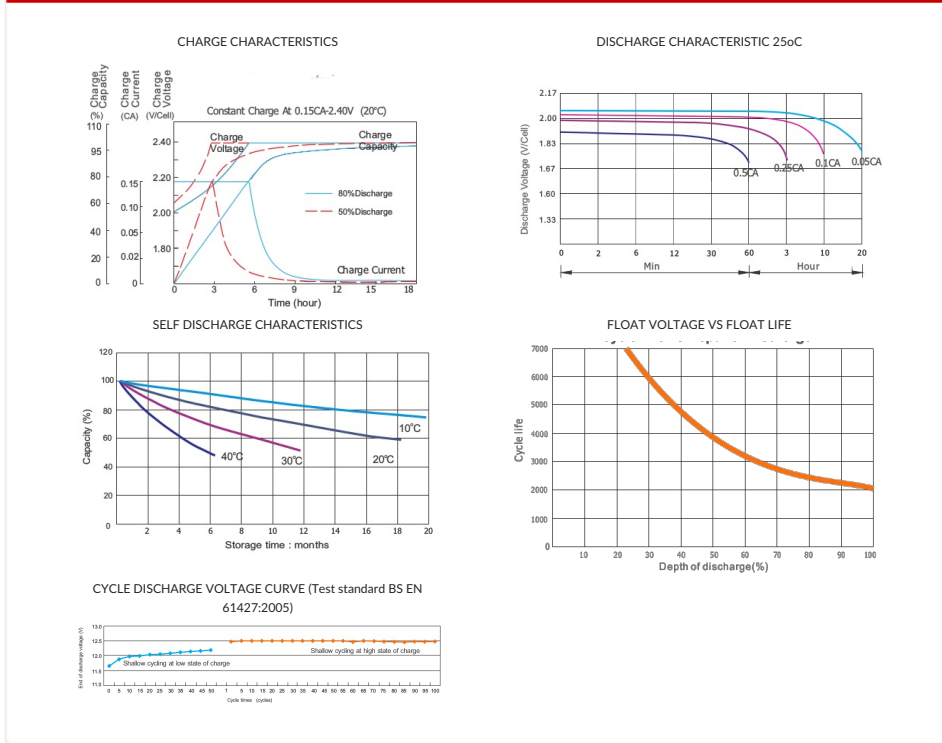
DIMENSIONS AND WEIGHT

| | |
|-----------------|----------------------|
| Dimensions (mm) | 260x168x211(826) |
| Weight (kgs) | with electrolyte: 20 |

CONSTRUCTION

| | |
|--------------|--------------------------------|
| Component | Raw Material |
| Positive | Lead dioxide |
| Negative | Lead |
| Container | SAN |
| Cover | ABS (Flame Retardant Optional) |
| Sealant | Epoxy Resin |
| Safety Valve | Rubber |
| Terminal | Copper |
| Separator | Fibre Glass |
| Electrolyte | Sulphuric acid |

GRAPHICS



CONSTANT DISCHARGE RATINGS (A, W) AT 25°C

| F.V / Time | 15MIN | | 30MIN | | 1HR | | 3HR | | 5HR | | 10HR | | 20HR | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10.80 V | 45.6A | 83.4W | 36.6A | 68.5W | 25.5A | 48.5W | 12.4A | 24.2W | 8.73A | 17.2W | 5.0A | 10.0W | 2.7A | 5.4W |
| 10.50 V | 48.1A | 88.1W | 38.0A | 71.1W | 26.3A | 50.1W | 12.8A | 25.0W | 9.0A | 17.7W | 5.04A | 10.0W | 2.72A | 5.44W |
| 10.20 V | 49.8A | 91.2W | 39.0A | 72.8W | 26.9A | 51.1W | 12.8A | 25.2W | 9.06A | 17.9W | 5.07A | 10.1W | 2.74A | 5.47W |
| 9.90 V | 51.7A | 94.7W | 40.2A | 75.1W | 27.6A | 52.4W | 13.0A | 25.5W | 9.19A | 18.1W | 5.08A | 10.1W | 2.74A | 5.49W |
| 9.60 V | 53.0A | 97.0W | 41.0A | 76.7W | 28.0A | 53.2W | 13.1A | 25.7W | 9.24A | 18.2W | 5.09A | 10.1W | 2.75A | 5.5W |