

12OPzS-ET 2100 SOLAR

Vented Flooded Deep Cycle Battery



Performance characteristics

| | |
|--|----------------------|
| Nominal Voltage | 2V |
| Number of cells | 1 |
| Design Life | 20 years |
| Nominal Capacity 25°C (77°F) | |
| 120 hour rate (18A, 1.85V) | 2163Ah |
| 48 hour rate (41.4A, 1.80V) | 1987Ah |
| 10 hour rate (170A, 1.8V) | 1700Ah |
| Internal Resistance | |
| Fully Charged Battery 25°C (77°F) | 0.23mOhm |
| Electrolyte | |
| Nominal S.G at 25°C = 1.240kg/l | |
| Operating Temperature Range | -20-55°C |
| Maximum Discharge Current 25°C (77°F) | 1515A |
| Charge Methods: Constant Voltage Charge 25°C (77°F) | |
| Cycle use | 2.40V (time limited) |
| Maximum charging current | 680A |
| Standby use | 2.25V ± 1% |
| Temperature compensation | -3.5mV/°C/Cell |
| Terminal Torque | 23Nm |

Features

- High energy density

- Robust tubular positive electrode design, compliant with DIN 40736

- Minimal maintenance due to low antimony alloy and large electrolyte volume

- Operating temperature -20°C to +55°C

- Low self discharge rate of approximately 3% per month at 20°C

- EUROBAT design life: Long Life >12 years

- Fully recyclable with low CO₂ footprint

- High cyclic performance

- 3000+ cycles @ 60% DOD @ IUI charging

Capacities C10-C240

| Cell Type Ue (100%) / VPC | C10 | C12 | C20 | C24 | C48 | C72 | C100 | C120 | C240 |
|---------------------------|------|------|------|------|------|------|------|------|------|
| Ref Temp | 25°C | 25°C | 25°C | 25°C | 25°C | 25°C | 25°C | 25°C | 25°C |

| | | | | | | | | | |
|----------------------|------|------|------|------|------|------|------|------|------|
| 12OPzS-ET 2100 SOLAR | 1700 | 1718 | 1864 | 1914 | 1987 | 2091 | 2098 | 2163 | 2250 |
|----------------------|------|------|------|------|------|------|------|------|------|

Applications

- Solar/Wind Power Stations

- Traffic Systems

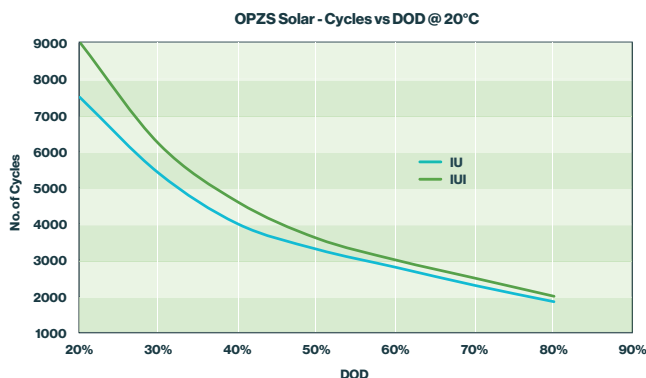
- Hydro Power Generation

- Off Grid Solutions

- Telecommunications/ Mobile Phone Stations

- Power Distribution Companies

Cycles vs DOD of OPzS Solar Power



Dimensions and weight

| | |
|-------------------|----------|
| Length | 210 mm |
| Width | 275 mm |
| Height (H1) | 797 mm |
| Total height (H2) | 810 mm |
| Dry weight | 77.1 kg |
| Filled weight | 105.6 kg |

