

150PzV-ET 2438 SOLAR

VRLA Gel Deep Cycle Battery



Performance characteristics

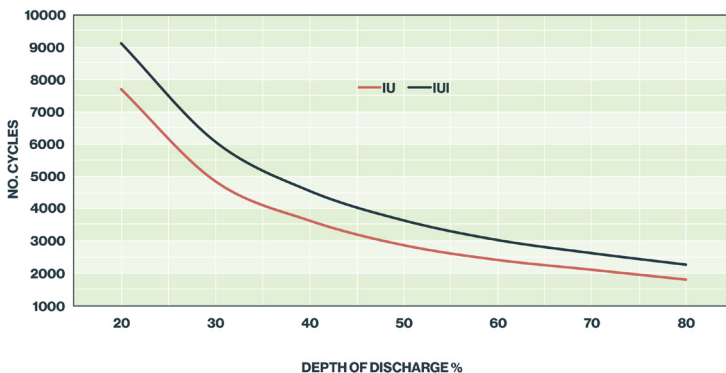
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|--|----------------|
| Nominal Voltage | 2V |
| Number of cells | 1 |
| Design Life | 20 years |
| Nominal Capacity 25°C (77°F) | |
| 120 hour rate (20.9A, 1.85V) | 2508Ah |
| 48 hour rate (46.9A, 1.8V) | 2253Ah |
| 10 hour rate (195.9A, 1.8V) | 1959Ah |
| Internal Resistance | |
| Fully Charged Battery 25°C (77°F) | 0.19mOhm |
| Self-Discharge | |
| 2% of capacity declined per month at 25°C (average) | |
| Operating Temperature Range | -20-55°C |
| Maximum Discharge Current 25°C (77°F) | 1940A |
| Charge Methods: Constant Voltage Charge 25°C (77°F) | |
| Cycle use | 2.40V |
| Maximum charging current | 950 |
| Standby use | 2.25V ± 1% |
| Temperature compensation | -3.5mV/°C/Cell |
| Terminal Torque | 23Nm |

Capacities C10-C240

| Cell Type Ue (100%) / VPC Ref Temp | C10 25°C | C24 25°C | C48 25°C | C72 25°C | C100 25°C | C120 25°C | C240 25°C |
|--|-------------|-------------|-------------|-------------|--------------|--------------|--------------|
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|---------------------|------|------|------|------|------|------|------|
| 150PzV-ET 2438SOLAR | 1959 | 2233 | 2253 | 2468 | 2429 | 2508 | 2586 |
|---------------------|------|------|------|------|------|------|------|

Cycles vs DOD of OPzV Solar Power



Features

- High energy density and cyclic performance

- Robust tubular positive electrode design, compliant with DIN 40742

- >1500 cycles at 80% D.O.D at 20°C (68°F)

- Low self discharge rate <2% @ 20°C allows for 6 months shelf life

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

- EUROBAT design life: Long Life >12 years

- Fully recyclable with low CO₂ footprint

- 3000+ cycles @ 60% DOD @ IUI charging

Applications

- Solar/Wind Power Stations

- Traffic Systems

- Hydro Power Generation

- Off Grid Solutions

- Telecommunications/ Mobile Phone Stations

- Power Distribution Companies

Dimensions and weight

| | |
|-------------------|----------|
| Length | 214 mm |
| Width | 399 mm |
| Height (H1) | 771 mm |
| Total height (H2) | 784 mm |
| Approx. weight | 150.0 kg |

