

130PzV-ET 2113 SOLAR

VRLA Gel Deep Cycle Battery



Performance characteristics

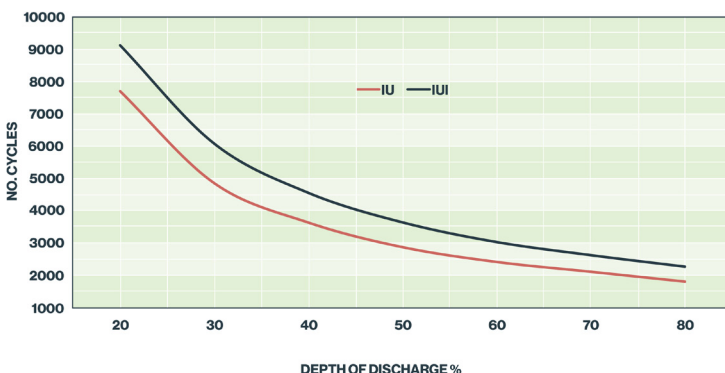
| | |
|--|----------------|
| Nominal Voltage | 2V |
| Number of cells | 1 |
| Design Life | 20 years |
| Nominal Capacity 25°C (77°F) | |
| 120 hour rate (18.1A, 1.85V) | 2173Ah |
| 48 hour rate (40.7A, 1.8V) | 1953Ah |
| 10 hour rate (169.8A, 1.8V) | 1698Ah |
| Internal Resistance | |
| Fully Charged Battery 25°C (77°F) | 0.24mOhm |
| 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) | 1681A |
| Charge Methods: Constant Voltage Charge 25°C (77°F) | |
| Cycle use | 2.40V |
| Maximum charging current | 823.5 |
| Standby use | 2.25V ± 1% |
| Temperature compensation | -3.5mV/°C/Cell |
| Terminal Torque | 23Nm |

Capacities C10-C240

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

| | | | | | | | |
|----------------------|------|------|------|------|------|------|------|
| 130PzV-ET 2113 SOLAR | 1698 | 1936 | 1953 | 2139 | 2105 | 2173 | 2241 |
|----------------------|------|------|------|------|------|------|------|

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 | 210 mm |
| Width | 275 mm |
| Height (H1) | 796 mm |
| Total height (H2) | 809 mm |
| Approx. weight | 116.0 kg |

