# 3 OPzV-ET 210 SOLAR

## VRLA Gel Deep Cycle Battery

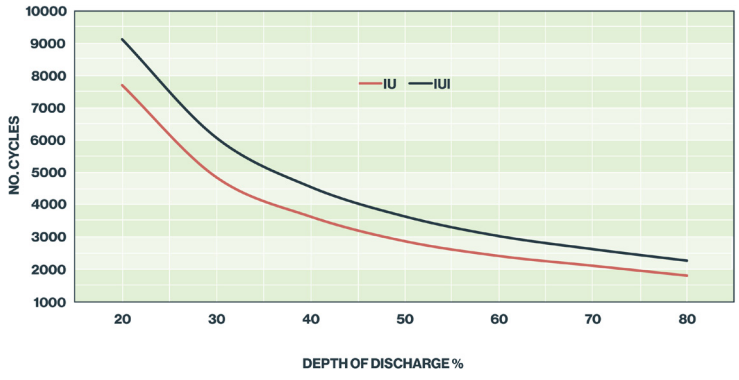
## Performance characteristics

| | |
|---|---|
| Nominal Voltage | 2V |
| Number of cells | 1 |
| Design Life | 20 years |
| **Nominal Capacity 25°C (77°F)** | |
| 120 hour rate (1.78A, 1.85V) | 214Ah |
| 48 hour rate (3.96A, 1.8V) | 190Ah |
| 10 hour rate (16.5A, 1.8V) | 165Ah |
| **Internal Resistance** | |
| Fully Charged Battery 25°C (77°F) | 1.30mOhm |
| **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)** | 262A |
| **Charge Methods: Constant Voltage Charge 25°C (77°F)** | |
| Cycle use | 2.40V |
| Maximum charging current | 80.5 |
| 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 1.80 25°C | C24 1.80 25°C | C48 1.80 25°C | C72 1.80 25°C | C100 1.85 25°C | C120 1.85 25°C | C240 1.85 25°C |
|---|---|---|---|---|---|---|---|
| 3OPzV-ET 210 SOLAR | 165 | 189 | 190 | 213 | 205 | 214 | 218 |

## Cycles vs DOD of OPzV Solar Power




## Features

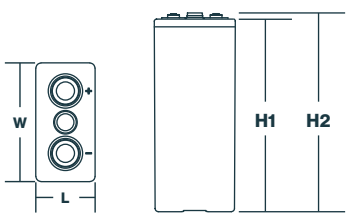
- High energy density and cyclic performance
- Robust tubular positive electrode design, compliant with DIN 40742
- >1500 cycles at 80% D.O.D at 20°C (68°F)
- Low self discharge rate <2% @ 20°C allows for 6 months shelf life
- Operating temperature -20°C to +55°C
- EUROBAT design life: Long Life >12 years
- Fully recyclable with low $CO_2$ 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 (max) | 105 mm |
| Width (max) | 208 mm |
| Height: H1 (max) | 360 mm |
| Total height: H2 (max) | 375 mm |
| Approx. weight (max) | 15.7 kg |




 **Compliant with** IEC 60896-21/22 / IEC61427