

12OPzV-ET 1800 SOLAR

VRLA Gel Deep Cycle Battery



Performance characteristics

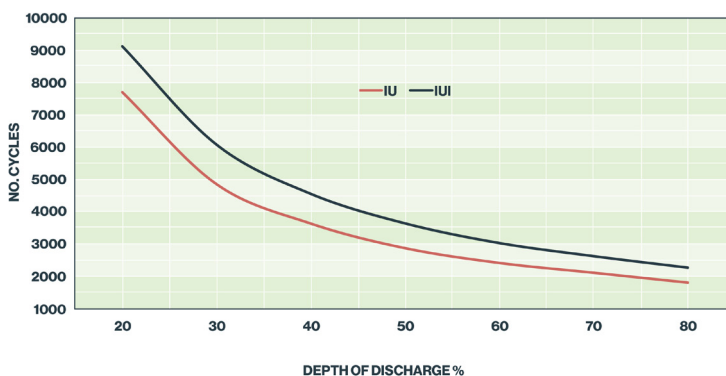
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|--|----------------|
| Nominal Voltage | 2V |
| Number of cells | 1 |
| Design Life | 20 years |
| Nominal Capacity 25°C (77°F) | |
| 120 hour rate (14.7A, 1.85V) | 1766Ah |
| 48 hour rate (33.0A, 1.8V) | 1586Ah |
| 10 hour rate (137.9A, 1.8V) | 1379Ah |
| Internal Resistance | |
| Fully Charged Battery 25°C (77°F) | 0.28mOhm |
| 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) | 1519A |
| Charge Methods: Constant Voltage Charge 25°C (77°F) | |
| Cycle use | 2.40V |
| Maximum charging current | 670A |
| 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 |

| | | | | | | | |
|----------------------|------|------|------|------|------|------|------|
| 12OPzV-ET 1800 SOLAR | 1379 | 1504 | 1586 | 1738 | 1710 | 1766 | 1821 |
|----------------------|------|------|------|------|------|------|------|

Cycles vs DOD of OPzV Solar Power



Features

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| 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

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|---|
| 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) | 645 mm |
| Total height (H2) | 658 mm |
| Approx. weight | 97 kg |

