5OPzV-ET 500 SOLAR

VRLA Gel Deep Cycle Battery

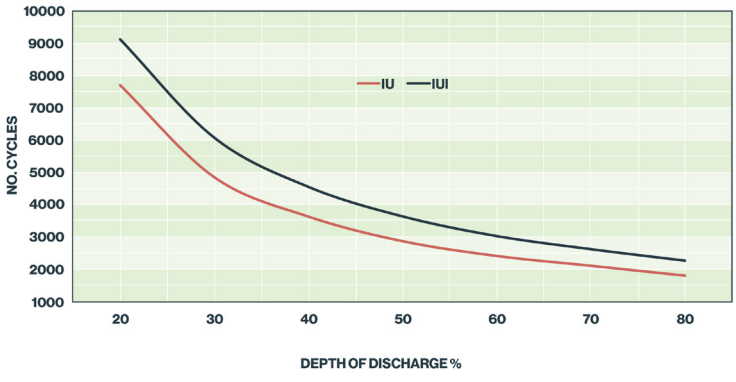
Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 25°C (77°F)	
120 hour rate (4.34A, 1.85V)	521Ah
48 hour rate (9.7A, 1.8V)	464Ah
10 hour rate (40.3A, 1.8V)	403Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.62mOhm
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)	551A
Charge Methods: Constant Voltage Charge 25°C (77°F)	
Cycle use	2.40V
Maximum charging current	195.5
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
5OPzV-ET 500 SOLAR	403	460	464	518	500	521	532

Cycles vs DOD of OPzV Solar Power

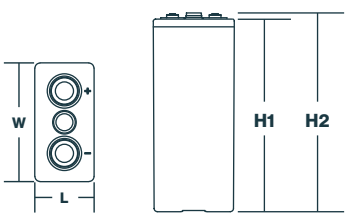


Features

- 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)	126 mm
Width (max)	208 mm
Height: H1 (max)	475 mm
Total height: H2 (max)	490 mm
Approx. weight (max)	29.8 kg