25OPzS-ET 4375 SOLAR

Vented Flooded 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 (37.6A, 1.85V)	4507Ah
48 hour rate (86.5A, 1.80V)	4154Ah
10 hour rate (354A, 1.8V)	3540Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.11mOhm
Electrolyte	
Nominal S.G at 25°C = 1.240kg/l	
Operating Temperature Range	-20~55°C
Maximum Discharge Current 25°C (77°F)	3313A
Charge Methods: Constant Voltage Charge 25°C (77°F)	
Cycle use	2.40V (time limited)
Maximum charging current	1415A
Standby use	2.25V ± 1%
Temperature compensation	-3.5mV/°C/Cell
Terminal Torque	23Nm

Features

- High energy density
- Robust tubular positive electrode design, compliant with DIN 40736
- Minimal maintenance due to low antimony alloy and large electrolyte volume
- Operating temperature -20°C to +55°C
- Low self discharge rate of approximately 3% per month at 20°C
- EUROBAT design life: Long Life >12 years
- Fully recyclable with low CO_2 footprint
- High cyclic performance
- 3000+ cycles @ 60% DOD @ IUI charging

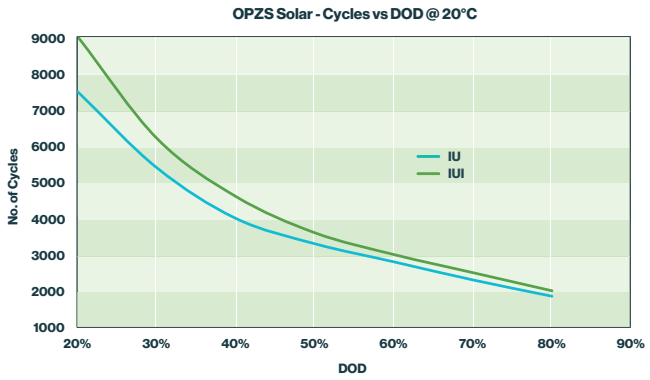
Capacities C10-C240

Cell Type Ue (100%) / VPC Ref Temp	C10 1.80 25°C	C12 1.80 25°C	C20 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
25OPzS-ET 4375SOLAR	3540	3580	3890	3988	4154	4356	4371	4507	4687

Applications

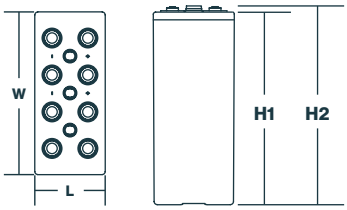
- Solar/Wind Power Stations
- Traffic Systems
- Hydro Power Generation
- Off Grid Solutions
- Telecommunications/ Mobile Phone Stations
- Power Distribution Companies

Cycles vs DOD of OPzS Solar Power



Dimensions and weight

Length (max)	215 mm
Width (max)	580 mm
Height: H1 (max)	775 mm
Total height: H2 (max)	790 mm
Filled weight (max)	235.2 kg



Compliant with IEC 60896-11 / IEC 61427