Eternity TECHNOLOGIES

12OPzS-ET 2100 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 (18A, 1.85V)	2163Ah
48 hour rate (41.4A, 1.80V)	1987Ah
10 hour rate (170A, 1.8V)	1700Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.23mOhm
Electrolyte	
Nominal S.G at 25°C = 1.240kg/l	
Operating Temperature Range	-20~55°C
Maximum Discharge Current 25°C (77°F)	1515A
Charge Methods: Constant Voltage Charge 25°C (77°F)	
Cycle use	2.40V (time limited)
Maximum charging current	680A
Standby use	2.25V ± 1%
Temperature compensation	-3.0mV/°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

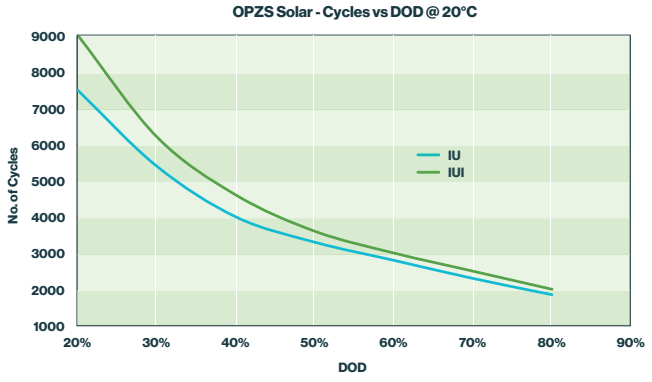
Capacities C10-C240

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
12OPzS-ET 2100 SOLAR	1700	1718	1864	1914	1987	2091	2098	2163	2250

Applications

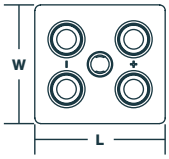
- Solar/Wind Power Stations
- Traffic Systems
- Hydro Power Generation
- Off Grid Solutions
- Telecommunications/ Mobile Phone Stations
- Power Distribution Companies

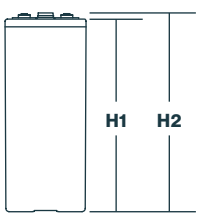
Cycles vs DOD of OPzS Solar Power



Dimensions and weight

Length	210 mm
Width	275 mm
Height (H1)	797 mm
Total height (H2)	810 mm
Dry weight	77.1 kg
Filled weight	105.6 kg





Compliant with IEC 60896-11 / IEC 61427