14OPzS-ET 2450 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 (21.0A, 1.85V)	2524Ah
48 hour rate (48.1A, 1.80V)	2309Ah
10 hour rate (198.3A, 1.8V)	1983Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.17mOhm
Electrolyte	
Nominal S.G at 20°C = 1.240kg/l	
Operating Temperature Range	-20~55°C
Maximum Discharge Current 25°C (77°F)	1925A
Charge Methods: Constant Voltage Charge 25°C (77°F)	
Cycle use	2.40V (time limited)
Maximum charging current	793A
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

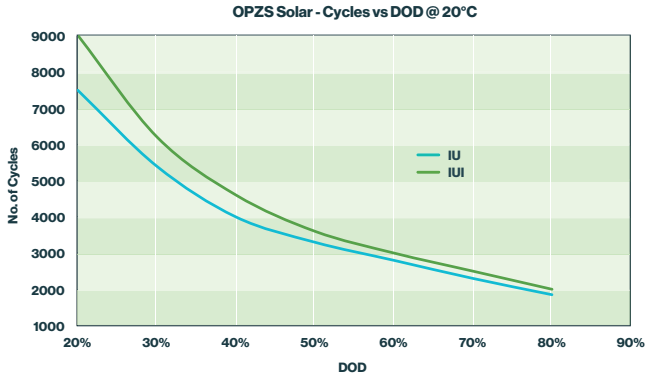
Capacities C10-C240

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
12OPzS-ET 2450 SOLAR	1983	2004	2168	2233	2309	2440	2448	2524	2624

Applications

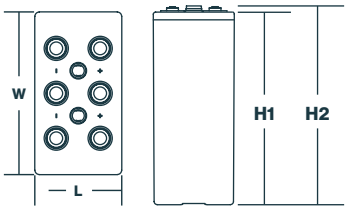
- Solar/Wind Power Stations
- Traffic Systems
- Hydro Power Generation
- Off Grid Solutions
- Telecommunications/ Mobile Phone Stations
- Power Distribution Companies

Cycles vs DOD of OPzS Solar Power



Dimensions and weight

Length (max)	215 mm
Width (max)	400 mm
Height: H1 (max)	775 mm
Total height: H2 (max)	790 mm
Filled weight (max)	146.3 kg



Compliant with IEC 60896-11 / IEC 61427