

23OPzS-ET 4025 SOLAR

Vented Flooded Deep Cycle Battery



Performance characteristics

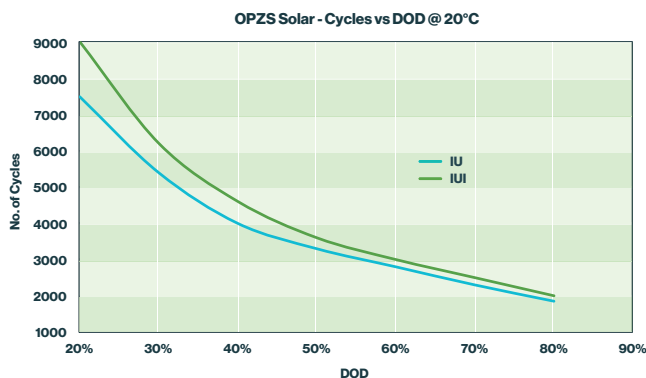
Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 25°C (77°F)	
120 hour rate (34.5A, 1.85V)	4146Ah
48 hour rate (79.6A, 1.80V)	3821Ah
10 hour rate (325.7A, 1.8V)	3257Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.11mOhm
Electrolyte	
Nominal S.G at 25°C = 1.240kg/l	
Operating Temperature Range	-20-55°C
Maximum Discharge Current 25°C (77°F)	2089A
Charge Methods: Constant Voltage Charge 25°C (77°F)	
Cycle use	2.40V (time limited)
Maximum charging current	1302A
Standby use	2.25V ± 1%
Temperature compensation	-3.5mV/°C/Cell
Terminal Torque	23Nm

Capacities C10-C240

Cell Type Ue (100%) / VPC	C10	C12	C20	C24	C48	C72	C100	C120	C240
Ref Temp	1.80	1.80	1.80	1.80	1.80	1.80	1.85	1.85	1.85
	25°C	25°C	25°C	25°C	25°C	25°C	25°C	25°C	25°C

23OPzS-ET 4025SOLAR	3257	3294	3579	3668	3821	4008	4021	4146	4312
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Cycles vs DOD of OPzS Solar Power



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 CO₂ footprint

- High cyclic performance

- 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	212 mm
Width	575 mm
Height (H1)	772 mm
Total height (H2)	785 mm
Dry weight	141.0 kg
Filled weight	200.4 kg

