

50PzS-ET 520 SOLAR

Vented Flooded Deep Cycle Battery



Performance characteristics

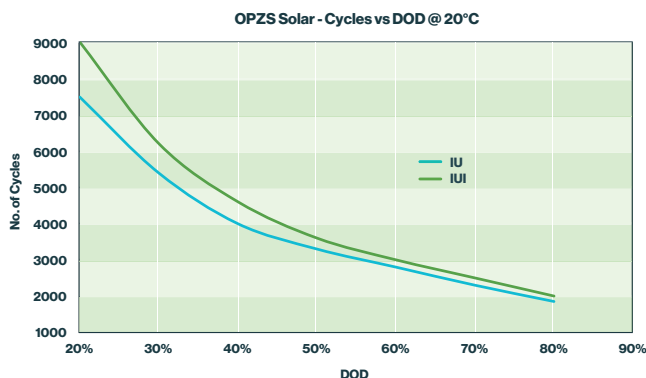
Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 25°C (77°F)	
120 hour rate (4.5A, 1.85V)	536Ah
48 hour rate (9.7A, 1.80V)	465Ah
10 hour rate (41.2A, 1.8V)	412Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.67mOhm
Electrolyte	
Nominal S.G at 20°C = 1.240kg/l	
Operating Temperature Range	-20-55°C
Maximum Discharge Current 25°C (77°F)	558A
Charge Methods: Constant Voltage Charge 25°C (77°F)	
Cycle use	2.40V (time limited)
Maximum charging current	206A
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	25°C	25°C	25°C	25°C	25°C	25°C	25°C	25°C	25°C

50PzS-ET 520 SOLAR	412	419	453	464	465	499	519	536	557
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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	124 mm
Width	206 mm
Height (H1)	471 mm
Total height (H2)	484 mm
Dry weight	20.0 kg
Filled weight	27.4 kg

