

50PzS-ET 520 SOLAR

Vented Flooded Deep Cycle Battery



Performance characteristics

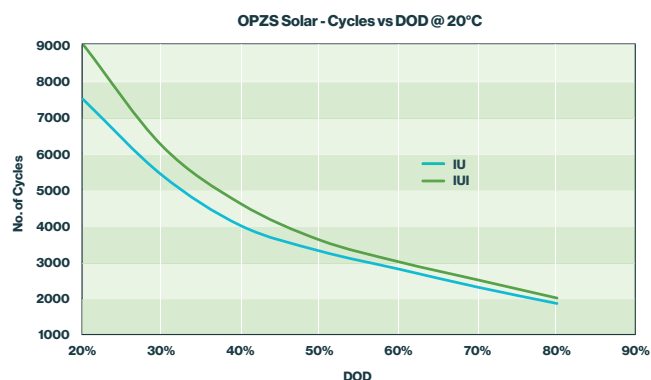
Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 25°C (77°F)	
120 hour rate (4.5A, 1.85V)	536Ah
48 hour rate (9.7A, 1.80V)	465Ah
10 hour rate (41.2A, 1.8V)	412Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.67mOhm
Electrolyte	
Nominal S.G at 20°C = 1.240kg/l	
Operating 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	-3.0mV/°C/Cell
Terminal Torque	23Nm

Capacities C10-C240

Cell Type Ue (100%) / VPC Ref Temp	C10 25°C	C12 25°C	C20 25°C	C24 25°C	C48 25°C	C72 25°C	C100 25°C	C120 25°C	C240 25°C
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50PzS-ET 520 SOLAR	412	419	453	464	465	499	519	536	557
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Cycles vs DOD of OPzS Solar Power



ET/DATAOPZSSOLAR520V5 0521

Compliant with IEC 60896-11 / IEC 61427

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

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

