

100PzS1525 SOLAR

(2V 1525Ah @ 120hr)

Eternity Technologies vented lead-acid batteries for the renewable energy market. Optimised design results in a low maintenance, reliable energy storage solution for critical and unstable conditions.

Performance characteristics

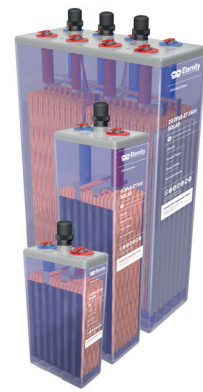
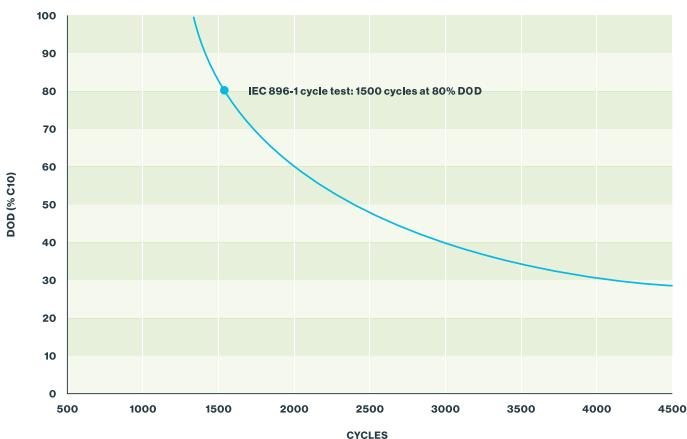
Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 20°C (68°F)	
120 hour rate (12.7A, 1.85V)	1525Ah
48 hour rate (29.5A, 1.80V)	1418Ah
10 hour rate (115A, 1.8V)	1150Ah
Internal Resistance	
Fully Charged Battery 20°C (68°F)	0.27mOhm
Electrolyte	
Nominal S.G at 20°C = 1.240kg/l	
Operating Temperature Range	-20-55°C
Maximum Discharge Current 20°C (68°F)	1281A
Charge Methods: Constant Voltage Charge 20°C (68°F)	
Cycle use	2.40V (time limited)
Maximum charging current	460A
Standby use	2.25V ± 1%
Temperature compensation	-3.0mV/°C/Cell
Terminal Torque	23Nm

Capacities C10-C240

Cell Type Ue (100%) / VPC	C10	C12	C20	C24	C48	C72	C100	C120	C240
Ref Temp	20°C	20°C	20°C	20°C	20°C	20°C	20°C	20°C	20°C

100PzS1525 SOLAR	1150	1166	1265	1301	1418	1517	1479	1525	1586
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Cycles vs DOD of OPzS Solar Power



N Part of our Network Power range

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

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	235 mm
Height (H1)	659 mm
Total height (H2)	684 mm
Dry weight	54.5 kg
Filled weight	73.6 kg

