

04OPzS0315 SOLAR

(2V 316Ah @ 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.



N Part of our Network Power range

Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 20°C (68°F)	
120 hour rate (2.6A, 1.85V)	316Ah
48 hour rate (5.8A, 1.80V)	280Ah
10 hour rate (22.5A, 1.8V)	225Ah
Internal Resistance	
Fully Charged Battery 20°C (68°F)	0.89mOhm
Electrolyte	
Nominal S.G at 20°C = 1.240kg/l	
Operating Temperature Range	-20-55°C
Maximum Discharge Current 20°C (68°F)	373A
Charge Methods: Constant Voltage Charge 20°C (68°F)	
Cycle use	2.40V (time limited)
Maximum charging current	90A
Standby use	2.25V ± 1%
Temperature compensation	-3.0mV/°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 CO₂ footprint

- High cyclic performance

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

04OPzS0315 SOLAR	225	228	248	260	280	296	307	316	329
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Applications

- Solar/Wind Power Stations

- Traffic Systems

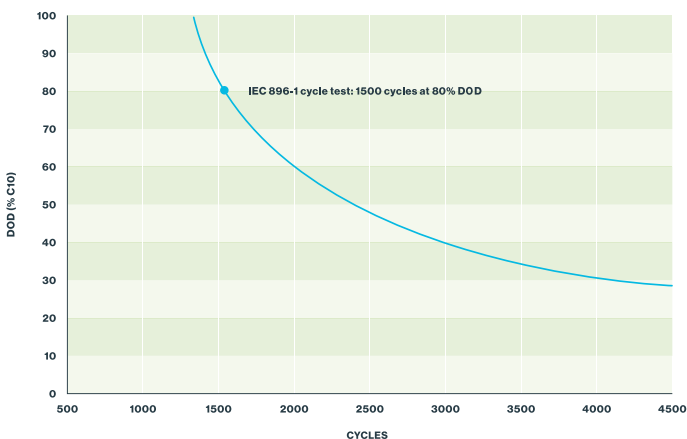
- Hydro Power Generation

- Off Grid Solutions

- Telecommunications/ Mobile Phone Stations

- Power Distribution Companies

Cycles vs DOD of OPzS Solar Power



Dimensions and weight

Length	105 mm
Width	208 mm
Height (H1)	367 mm
Total height (H2)	392 mm
Dry weight	12.9 kg
Filled weight	17.7 kg

