

# 08OPzS1220 SOLAR

## (2V 1220Ah @ 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

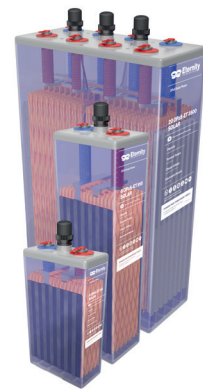
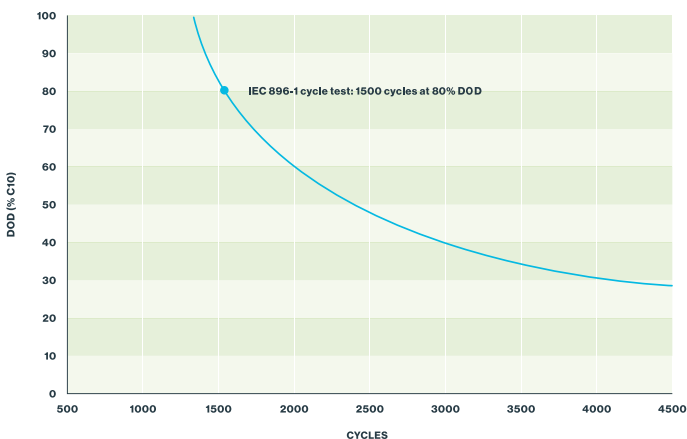
|  |                      |
|--|----------------------|
| Nominal Voltage  | 2V                   |
| Number of cells  | 1                    |
| Design Life  | 20 years             |
| <b>Nominal Capacity 20°C (68°F)</b>                        |                      |
| 120 hour rate (10.1A, 1.85V)                               | 1220Ah               |
| 48 hour rate (23.6A, 1.80V)                                | 1134Ah               |
| 10 hour rate (92A, 1.8V)                                   | 920Ah                |
| <b>Internal Resistance</b>                                 |                      |
| Fully Charged Battery 20°C (68°F)                          | 0.33mOhm             |
| <b>Electrolyte</b>   |                      |
| Nominal S.G at 20°C = 1.240kg/l                            |                      |
| <b>Operating Temperature Range</b>                         | -20-55°C             |
| <b>Maximum Discharge Current 20°C (68°F)</b>               | 1077A                |
| <b>Charge Methods: Constant Voltage Charge 20°C (68°F)</b> |                      |
| Cycle use  | 2.40V (time limited) |
| Maximum charging current                                   | 368A                 |
| Standby use  | 2.25V ± 1%           |
| Temperature compensation                                   | -3.0mV/°C/Cell       |
| <b>Terminal Torque</b>                                     | 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 |

|                  |     |     |      |      |      |      |      |      |      |
|------------------|-----|-----|------|------|------|------|------|------|------|
| 08OPzS1220 SOLAR | 920 | 933 | 1013 | 1041 | 1134 | 1213 | 1183 | 1220 | 1269 |
|------------------|-----|-----|------|------|------|------|------|------|------|

### Cycles vs DOD of OPzS Solar Power



**N** Part of our Network Power range

### Features

- High energy density

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- Robust tubular positive electrode design, compliant with DIN 40736

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- Minimal maintenance due to low antimony alloy and large electrolyte volume

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- Operating temperature -20°C to +55°C

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- Low self discharge rate of approximately 3% per month at 20°C

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- EUROBAT design life: Long Life >12 years

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- Fully recyclable with low CO<sub>2</sub> footprint

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- High cyclic performance

### Applications

- Solar/Wind Power Stations

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- Traffic Systems

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- Hydro Power Generation

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- Off Grid Solutions

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- Telecommunications/ Mobile Phone Stations

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- Power Distribution Companies

### Dimensions and weight

|                   |         |
|-------------------|---------|
| Length            | 212 mm  |
| Width             | 193 mm  |
| Height (H1)       | 657 mm  |
| Total height (H2) | 682 mm  |
| Dry weight        | 45.0 kg |
| Filled weight     | 60.4 kg |

