

# 50PzS-ET 395 SOLAR

## Vented Flooded Deep Cycle Battery



### Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years
<b>Nominal Capacity 25°C (77°F)</b>	
120 hour rate (3.4A, 1.85V)	407Ah
48 hour rate (7.5A, 1.80V)	359Ah
10 hour rate (28.8A, 1.8V)	288Ah
<b>Internal Resistance</b>	
Fully Charged Battery 25°C (77°F)	0.74mOhm
<b>Electrolyte</b>	
Nominal S.G at 20°C = 1.240kg/l	
<b>Operating Temperature Range</b>	-20-55°C
<b>Maximum Discharge Current 25°C (77°F)</b>	472A
<b>Charge Methods: Constant Voltage Charge 25°C (77°F)</b>	
Cycle use	2.40V (time limited)
Maximum charging current	115A
Standby use	2.25V ± 1%
Temperature compensation	-3.5mV/°C/Cell
<b>Terminal Torque</b>	23Nm

### 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

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- 3000+ cycles @ 60% DOD @ IUI charging

### 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 395 SOLAR	288	293	317	335	359	381	394	407	423
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### 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

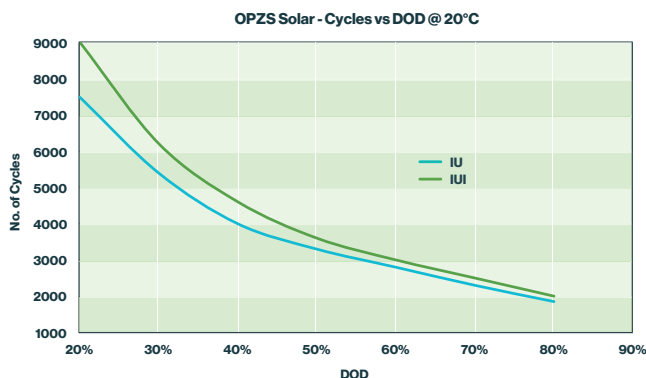
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- Telecommunications/ Mobile Phone Stations

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- Power Distribution Companies

### Cycles vs DOD of OPzS Solar Power



### Dimensions and weight

Length	124 mm
Width	206 mm
Height (H1)	355 mm
Total height (H2)	368 mm
Dry weight	15.5 kg
Filled weight	21.3 kg

