

24OPzS-ET 4200 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 (36A, 1.85V)	4326Ah
48 hour rate (83A, 1.80V)	3987Ah
10 hour rate (339.9A, 1.8V)	3399Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.11mOhm
Electrolyte	
Nominal S.G at 25°C = 1.240kg/l	
Operating Temperature Range	
	-20-55°C
Maximum Discharge Current 25°C (77°F)	
	2180A
Charge Methods: Constant Voltage Charge 25°C (77°F)	
Cycle use	2.40V (time limited)
Maximum charging current	1359A
Standby use	2.25V ± 1%
Temperature compensation	-3.5mV/°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

- 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	1.80	1.80	1.80	1.80	1.80	1.80	1.85	1.85	1.85
	25°C	25°C	25°C	25°C	25°C	25°C	25°C	25°C	25°C

24OPzS-ET 4200 SOLAR	3399	3437	3735	3827	3987	4182	4196	4200	4368
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Applications

- Solar/Wind Power Stations

- Traffic Systems

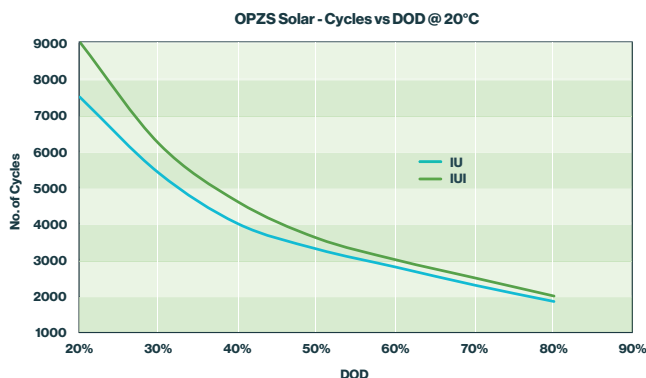
- Hydro Power Generation

- Off Grid Solutions

- Telecommunications/ Mobile Phone Stations

- Power Distribution Companies

Cycles vs DOD of OPzS Solar Power



Dimensions and weight

Length	212 mm
Width	575 mm
Height (H1)	772 mm
Total height (H2)	785 mm
Dry weight	147.1 kg
Filled weight	209.1 kg

