

12OPzS-ET 1830 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 (15.7A, 1.85V)	1885Ah
48 hour rate (36.5A, 1.80V)	1753Ah
10 hour rate (142.1A, 1.8V)	1421Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.23mOhm
Electrolyte	
Nominal S.G at 25°C = 1.240kg/l	
Operating Temperature Range	-20-55°C
Maximum Discharge Current 25°C (77°F)	1510A
Charge Methods: Constant Voltage Charge 25°C (77°F)	
Cycle use	2.40V (time limited)
Maximum charging current	568A
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	25°C	25°C	25°C	25°C	25°C	25°C	25°C	25°C	25°C

12OPzS-ET 1830 SOLAR	1421	1441	1566	1608	1753	1875	1828	1885	1960
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Applications

- Solar/Wind Power Stations

- Traffic Systems

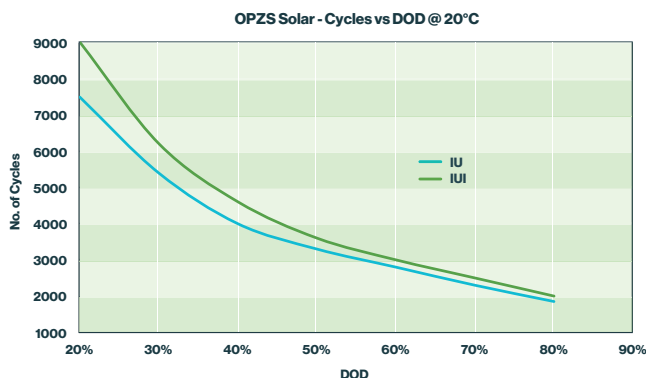
- Hydro Power Generation

- Off Grid Solutions

- Telecommunications/ Mobile Phone Stations

- Power Distribution Companies

Cycles vs DOD of OPzS Solar Power



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Compliant with IEC 60896-11/ IEC 61427

Dimensions and weight

Length	210 mm
Width	275 mm
Height (H1)	647 mm
Total height (H2)	660 mm
Dry weight	63.8 kg
Filled weight	86.7 kg

