

120PzS-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
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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	-3.0mV/°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

3000+ cycles @ 60% DOD @ IUI charging

Applications

Solar/Wind Power Stations

Traffic Systems

Hydro Power Generation

Off Grid Solutions

Telecommunications/ Mobile Phone Stations

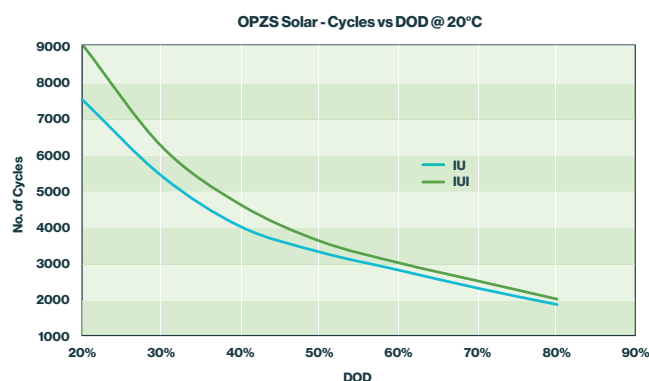
Power Distribution Companies

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

120PzS-ET 1830 SOLAR	1421	1441	1566	1608	1753	1875	1828	1885	1960
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Cycles vs DOD of OPzS Solar Power



ET/DATAOPZSSOLAR 1830V6 0521

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

