

140PzS-ET 2450 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 (21.0A, 1.85V)	2524Ah
48 hour rate (48.1A, 1.80V)	2309Ah
10 hour rate (198.3A, 1.8V)	1983Ah

Internal Resistance

Fully Charged Battery 25°C (77°F)	0.17mOhm
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Electrolyte

Nominal S.G at 20°C = 1.240kg/l

Operating Temperature Range

-20~55°C

Maximum Discharge Current 25°C (77°F)

1925A

Charge Methods: Constant Voltage Charge 25°C (77°F)

Cycle use	2.40V (time limited)
Maximum charging current	793A
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

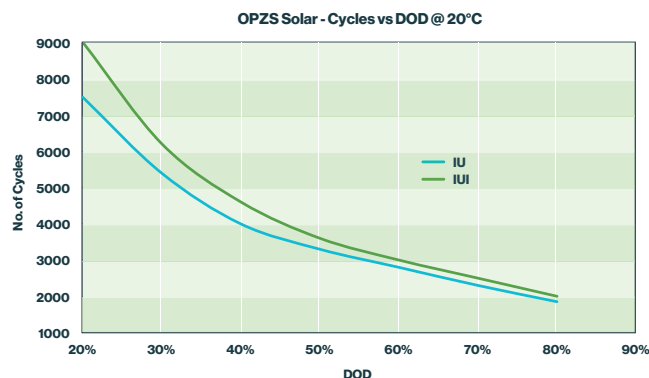
Power Distribution Companies

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 2450 SOLAR	1983	2004	2168	2233	2309	2440	2448	2524	2624
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Cycles vs DOD of OPzS Solar Power



Dimensions and weight

Length	214 mm
Width	399 mm
Height (H1)	772 mm
Total height (H2)	785 mm
Dry weight	93.5 kg
Filled weight	133.5 kg

