

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
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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)

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	-3.0mV/°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

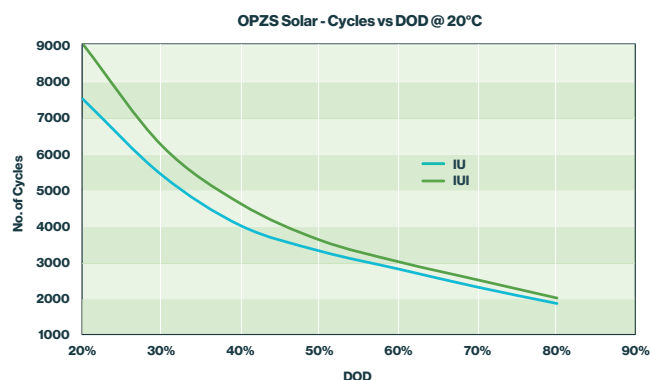
Power Distribution Companies

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

24OPzS-ET 4200 SOLAR	3399	3437	3735	3827	3987	4182	4196	4200	4368
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Cycles vs DOD of OPzS Solar Power



ET/DATAOPZSSOLAR 4200V5 0521

Compliant with IEC 60896-11 / IEC 61427

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

