

22OPzS-ET 3850 SOLAR

Vented Flooded Deep Cycle Battery



Performance characteristics

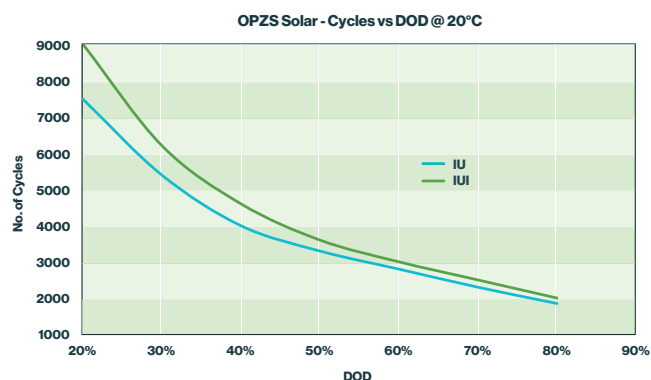
Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 25°C (77°F)	
120 hour rate (33A, 1.85V)	3966Ah
48 hour rate (75.9A, 1.80V)	3644Ah
10 hour rate (311.6A, 1.8V)	3116Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.11mOhm
Electrolyte	
Nominal S.G at 20°C = 1.240kg/l	
Operating Temperature Range	-20~55°C
Maximum Discharge Current 25°C (77°F)	3032A
Charge Methods: Constant Voltage Charge 25°C (77°F)	
Cycle use	2.40V (time limited)
Maximum charging current	1246A
Standby use	2.25V ± 1%
Temperature compensation	-3.0mV/°C/Cell
Terminal Torque	23Nm

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

22OPzS-ET 3850 SOLAR	3116	3151	3407	3509	3644	3834	3847	3966	4124
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Cycles vs DOD of OPzS Solar Power



ET/DATAOPZSSOLAR3850V5 0521

Compliant with IEC 60896-11 / IEC 61427

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 CO ₂ 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

Dimensions and weight

Length	212 mm
Width	575 mm
Height (H1)	772 mm
Total height (H2)	785 mm
Dry weight	138.4 kg
Filled weight	200.8 kg

