

80PzS-ET 1220 SOLAR

Vented Flooded Deep Cycle Battery



Performance characteristics

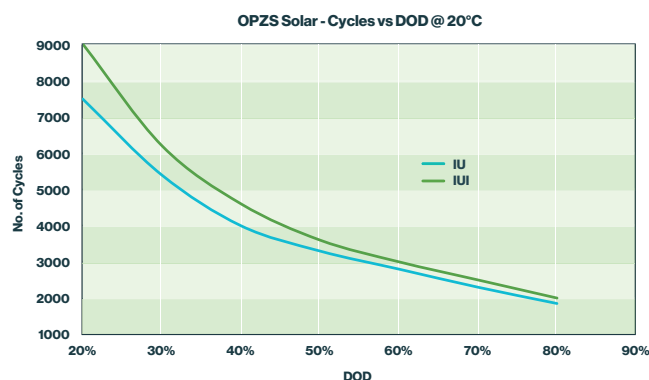
Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 25°C (77°F)	
120 hour rate (10.5A, 1.85V)	1257Ah
48 hour rate (24.3A, 1.80V)	1168Ah
10 hour rate (94.8A, 1.8V)	948Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.33mOhm
Electrolyte	
Nominal S.G at 25°C = 1.240kg/l	
Operating Temperature Range	-20~55°C
Maximum Discharge Current 25°C (77°F)	1109A
Charge Methods: Constant Voltage Charge 25°C (77°F)	
Cycle use	2.40V (time limited)
Maximum charging current	379A
Standby use	2.25V ± 1%
Temperature compensation	-3.0mV/°C/Cell
Terminal Torque	23Nm

Capacities C10-C240

Cell Type Ue (100%) / VPC Ref Temp	C10 25°C	C12 25°C	C20 25°C	C24 25°C	C48 25°C	C72 25°C	C100 25°C	C120 25°C	C240 25°C
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80PzS-ET 1220 SOLAR	948	961	1044	1072	1168	1249	1218	1257	1307
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Cycles vs DOD of OPzS Solar Power



ET/DATAOPZSSOLAR 1220V5 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	210 mm
Width	191 mm
Height (H1)	647 mm
Total height (H2)	660 mm
Dry weight	45.0kg
Filled weight	60.4 kg

