

110PzS-ET 1680 SOLAR

Vented Flooded Deep Cycle Battery



Performance characteristics

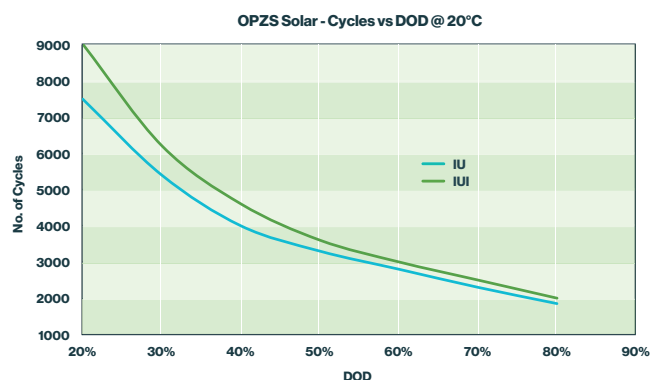
Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 25°C (77°F)	
120 hour rate (14.4A, 1.85V)	1730Ah
48 hour rate (33.5A, 1.80V)	1607Ah
10 hour rate (130.3A, 1.8V)	1303Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.23mOhm
Electrolyte	
Nominal S.G at 25°C = 1.240kg/l	
Operating Temperature Range	-20~55°C
Maximum Discharge Current 25°C (77°F)	1384A
Charge Methods: Constant Voltage Charge 25°C (77°F)	
Cycle use	2.40V (time limited)
Maximum charging current	520A
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

110PzS-ET 1680 SOLAR	1303	1320	1435	1474	1607	1718	1676	1730	1796
----------------------	------	------	------	------	------	------	------	------	------

Cycles vs DOD of OPzS Solar Power



ET/DATAOPZSSOLAR 1680V2 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	275 mm
Height (H1)	647 mm
Total height (H2)	660 mm
Dry weight	59.0 kg
Filled weight	83.5 kg

