

100PzS-ET 1525 SOLAR

Vented Flooded Deep Cycle Battery



Performance characteristics

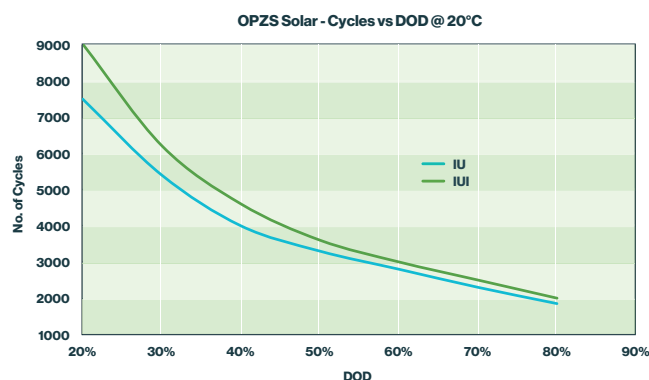
Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 25°C (77°F)	
120 hour rate (13.1A, 1.85V)	1571Ah
48 hour rate (30.4A, 1.80V)	1461Ah
10 hour rate (118.5A, 1.8V)	1185Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.27mOhm
Electrolyte	
Nominal S.G at 25°C = 1.240kg/l	
Operating Temperature Range	-20~55°C
Maximum Discharge Current 25°C (77°F)	1320A
Charge Methods: Constant Voltage Charge 25°C (77°F)	
Cycle use	2.40V (time limited)
Maximum charging current	474A
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
--	-------------	-------------	-------------	-------------	-------------	-------------	--------------	--------------	--------------

100PzS-ET 1525 SOLAR	1185	1201	1304	1340	1461	1563	1523	1571	1634
----------------------	------	------	------	------	------	------	------	------	------

Cycles vs DOD of OPzS Solar Power



ET/DATAOPZSSOLAR 1525V5 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	210mm
Width	233 mm
Height (H1)	647 mm
Total height (H2)	660 mm
Dry weight	54.5 kg
Filled weight	73.6 kg

