

18OPzV-ET 2970 SOLAR

VRLA Gel Deep Cycle Battery



Performance characteristics

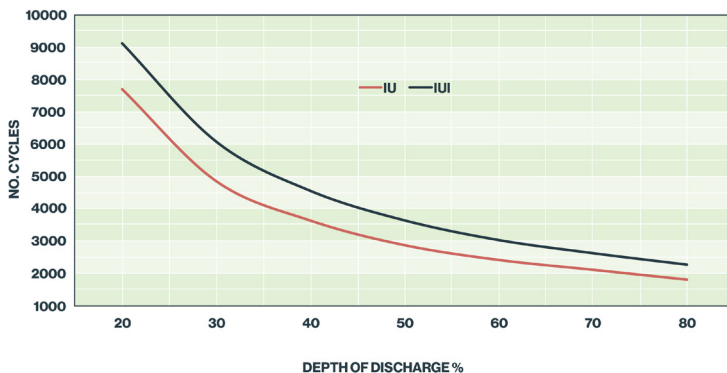
Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 25°C (77°F)	
120 hour rate (25.3A, 1.85V)	3038Ah
48 hour rate (56.6A, 1.8V)	2729Ah
10 hour rate (237.3A, 1.8V)	2373Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.16mOhm
Self-Discharge	
2% of capacity declined per month at 25°C (average)	
Operating Temperature Range	-20-55°C
Maximum Discharge Current 25°C (77°F)	2332A
Charge Methods: Constant Voltage Charge 25°C (77°F)	
Cycle use	2.40V
Maximum charging current	1151
Standby use	2.25V ± 1%
Temperature compensation	-3.5mV/°C/Cell
Terminal Torque	23Nm

Capacities C10-C240

Cell Type Ue (100%) / VPC	C10	C24	C48	C72	C100	C120	C240
Ref Temp	25°C	25°C	25°C	25°C	25°C	25°C	25°C

18OPzV-ET 2970 SOLAR	2373	2706	2729	2990	2943	3038	3133
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Cycles vs DOD of OPzV Solar Power



Features

High energy density and cyclic performance
Robust tubular positive electrode design, compliant with DIN 40742
>1500 cycles at 80% D.O.D at 20°C (68°F)
Low self discharge rate <2% @ 20°C allows for 6 months shelf life
Operating temperature -20°C to +55°C
EUROBAT design life: Long Life >12 years
Fully recyclable with low CO ₂ footprint
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	214 mm
Width	399 mm
Height (H1)	771 mm
Total height (H2)	784 mm
Wet weight	165 kg

