

40PzV-ET 280 SOLAR

VRLA Gel Deep Cycle Battery



Performance characteristics

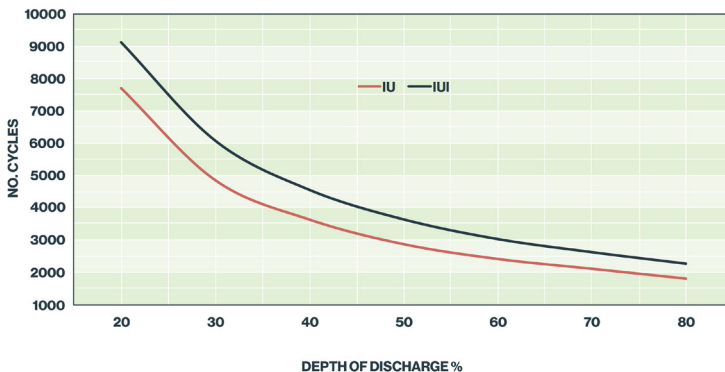
Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 25°C (77°F)	
120 hour rate (2.35A, 1.85V)	282Ah
48 hour rate (5.3A, 1.8V)	254Ah
10 hour rate (22.1A, 1.8V)	221Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.95mOhm
Self-Discharge	
2% of capacity declined per month at 25°C (average)	
Operating Temperature Range	-20-55°C
Maximum Discharge Current 25°C (77°F)	349A
Charge Methods: Constant Voltage Charge 25°C (77°F)	
Cycle use	2.40V
Maximum charging current	107
Standby use	2.25V ± 1%
Temperature compensation	-5.0mV/°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

40PzV-ET 280 SOLAR	221	252	254	278	274	282	291
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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 CO₂ 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	103 mm
Width	206 mm
Height (H1)	354 mm
Total height (H2)	367 mm
Approx. weight	18.4 kg

