

40PzV-ET 280 SOLAR

VRLA Gel Deep Cycle Battery



Performance characteristics

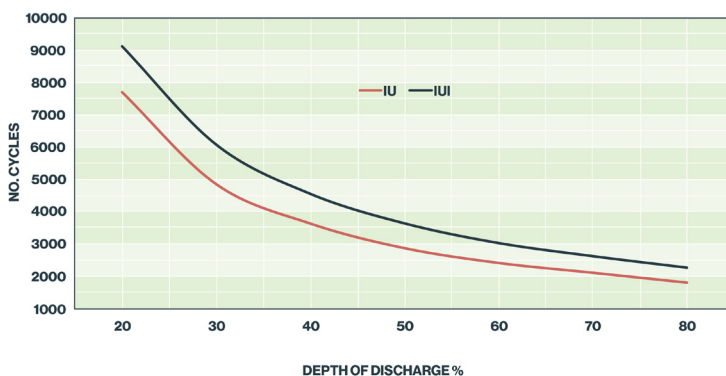
Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 25°C (77°F)	
120 hour rate (2.35A, 1.85V)	282Ah
48 hour rate (5.3A, 1.8V)	254Ah
10 hour rate (22.1A, 1.8V)	221Ah
Internal Resistance	
Fully Charged Battery 25°C (77°F)	0.95mOhm
Self-Discharge	
2% of capacity declined per month 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	-3.5mV/°C/Cell
Terminal Torque	23Nm

Capacities C10-C240

Cell Type Ue (100%) / VPC Ref Temp	C10 25°C	C24 25°C	C48 25°C	C72 25°C	C100 25°C	C120 25°C	C240 25°C
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40PzV-ET 280 SOLAR	221	252	254	278	274	282	291
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Cycles vs DOD of OPzV Solar Power



ET/DATAOPZVSOLAR 280V5 0922 **Compliant with** IEC 60896-21/22 / IEC61427

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	103 mm
Width	206 mm
Height (H1)	354 mm
Total height (H2)	367 mm
Approx. weight	18.4 kg

