

# 50PzV-ET 350 SOLAR

## VRLA Gel Deep Cycle Battery



### Performance characteristics

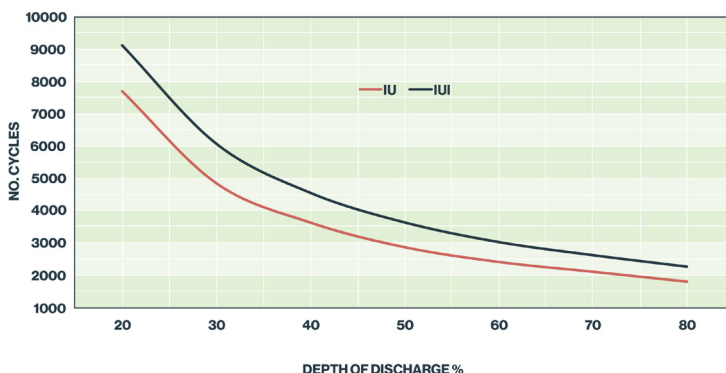
Nominal Voltage	2V
Number of cells	1
Design Life	20 years
<b>Nominal Capacity 25°C (77°F)</b>	
120 hour rate (2.96A, 1.85V)	356Ah
48 hour rate (6.7A, 1.8V)	320Ah
10 hour rate (27.8A, 1.8V)	278Ah
<b>Internal Resistance</b>	
Fully Charged Battery 25°C (68°F)	0.78mOhm
<b>Self-Discharge</b>	
2% of capacity declined per month at 25°C (average)	
<b>Operating Temperature Range</b>	-20-55°C
<b>Maximum Discharge Current 25°C (77°F)</b>	434A
<b>Charge Methods: Constant Voltage Charge 25°C (77°F)</b>	
Cycle use	2.40V
Maximum charging current	135
Standby use	2.25V ± 1%
Temperature compensation	-3.5mV/°C/Cell
<b>Terminal Torque</b>	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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50PzV-ET 350 SOLAR	278	317	320	351	345	356	367
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### Cycles vs DOD of OPzV Solar Power



ET/DATAOPZVSOLAR 350V5 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 <sub>2</sub> 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	124 mm
Width	206 mm
Height (H1)	354 mm
Total height (H2)	367 mm
Approx. weight	22.2 kg

