

# 110PzV-ET 1600 SOLAR

## VRLA Gel Deep Cycle Battery



### Performance characteristics

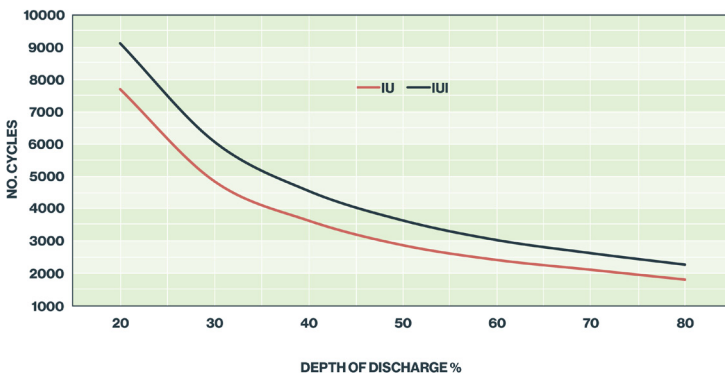
Nominal Voltage	2V
Number of cells	1
Design Life	20 years
<b>Nominal Capacity 25°C (77°F)</b>	
120 hour rate (13.5A, 1.85V)	1618Ah
48 hour rate (30.3A, 1.8V)	1454Ah
10 hour rate (126.4A, 1.8V)	1264Ah
<b>Internal Resistance</b>	
Fully Charged Battery 25°C (77°F)	0.28mOhm
<b>Self-Discharge</b>	
2% of capacity declined per month at 25°C (average)	
<b>Operating Temperature Range</b>	-20-55°C
<b>Maximum Discharge Current 25°C (77°F)</b>	1392A
<b>Charge Methods: Constant Voltage Charge 25°C (77°F)</b>	
Cycle use	2.40V
Maximum charging current	614A
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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110PzV-ET 1600 SOLAR	1264	1378	1454	1593	1568	1618	1669
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### Cycles vs DOD of OPzV Solar Power



### Features

- High energy density and cyclic performance

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- Robust tubular positive electrode design, compliant with DIN 40742

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- >1500 cycles at 80% D.O.D at 20°C (68°F)

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- Low self discharge rate <2% @ 20°C allows for 6 months shelf life

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- Operating temperature -20°C to +55°C

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- EUROBAT design life: Long Life >12 years

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- Fully recyclable with low CO<sub>2</sub> footprint

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- 3000+ cycles @ 60% DOD @ IUI charging

### Applications

- Solar/Wind Power Stations

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- Traffic Systems

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- Hydro Power Generation

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- Off Grid Solutions

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- Telecommunications/ Mobile Phone Stations

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- Power Distribution Companies

### Dimensions and weight

Length (max)	215 mm
Width (max)	277 mm
Height: H1 (max)	650 mm
Total height: H2 (max)	665 mm
Approx. weight (max)	90.8 kg

