

# 11OPzV-ET 1800 SOLAR

## VRLA Gel Deep Cycle Battery



### Performance characteristics

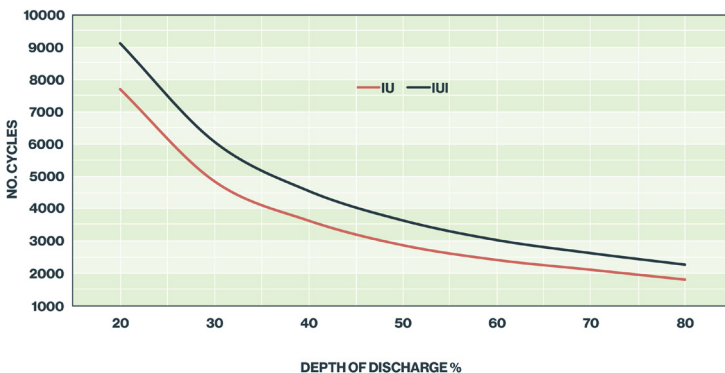
Nominal Voltage	2V
Number of cells	1
Design Life	20 years
<b>Nominal Capacity 25°C (77°F)</b>	
120 hour rate (15.28A, 1.85V)	1834Ah
48 hour rate (34.3A, 1.8V)	1648Ah
10 hour rate (143.3A, 1.8V)	1433Ah
<b>Internal Resistance</b>	
Fully Charged Battery 25°C (77°F)	0.27mOhm
<b>Self-Discharge</b>	
2% of 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>	1427A
<b>Charge Methods: Constant Voltage Charge 25°C (77°F)</b>	
Cycle use	2.40V
Maximum charging current	695A
Standby use	2.25V ± 1%
Temperature compensation	-3.5mV/°C/Cell
<b>Terminal Torque</b>	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

11OPzV-ET 1800 SOLAR	1433	1633	1648	1805	1776	1834	1891
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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	210 mm
Width	275 mm
Height (H1)	796 mm
Total height (H2)	809 mm
Approx. weight	102 kg

