

# 23 OPzS-ET 2875

## (2V 3163Ah @ 10hr)



### Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years

#### Nominal Capacity 20°C (68°F)

10 hour rate (316.3A, 1.8V)	3163Ah
5 hour rate (559.6A, 1.75V)	2798Ah
1 hour rate (1770A, 1.6V)	1770Ah

#### Internal Resistance

Fully Charged Battery 20°C (68°F)	0.11mOhm
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#### Electrolyte

Nominal S.G at 20°C = 1.240kg/l

#### Operating Temperature Range

-20°C to +55°C

#### Maximum Discharge Current 20°C (68°F)

2959A

#### Charge Methods: Constant Voltage Charge 20°C (68°F)

Cycle use	2.40V (time limited)
Maximum charging current	1265A
Standby use	2.25V ± 1%
Temperature compensation	-3.5mV/°C/Cell
Terminal torque	23Nm

#### Discharge Constant Current (Amperes at 20°C)

Cells (V)	10 m	15 m	30 m	1 h	2 h	3 h	5 h	8 h	10 h
1.60	2874.6	2709.4	2279.9	1770.0	1194.2	885.5	625.9	417.3	341.7
1.65	2539.5	2412.0	2053.2	1614.3	1137.5	860.0	613.6	414.4	341.7
1.70	2199.6	2105.2	1822.0	1453.8	1066.7	822.3	591.0	407.9	338.0
1.75	1859.7	1793.6	1581.3	1283.9	972.3	768.5	559.8	395.5	330.4
1.80	1515.1	1468.0	1321.6	1095.1	860.0	695.8	515.5	372.9	316.3
1.83	1302.8	1269.7	1151.7	972.3	778.8	637.2	481.5	354.0	301.1
1.85	1165.9	1132.8	1038.5	889.2	721.2	600.4	458.8	341.7	290.8
1.87	1014.9	991.2	917.6	793.9	654.3	551.3	429.5	320.9	275.6
1.90	796.8	781.6	733.5	650.4	553.2	477.6	386.1	290.4	253.0

#### Discharge Constant Power (Watts at 20°C)

Cells (V)	10 m	15 m	30 m	1 h	2 h	3 h	5 h	8 h	10 h
1.60	4672.9	4441.7	3842.2	3016.2	2081.6	1590.7	1151.7	782.6	649.5
1.65	4238.7	4049.9	3521.2	2794.3	2006.1	1548.2	1132.8	778.8	649.5
1.70	3771.4	3620.4	3181.4	2553.6	1902.2	1496.2	1095.1	770.3	645.7
1.75	3271.4	3167.2	2822.7	2298.8	1765.3	1416.0	1052.6	751.4	632.5
1.80	2733.0	2657.5	2412.0	2006.1	1590.7	1302.8	977.1	713.7	610.7
1.83	2383.7	2331.7	2124.1	1798.4	1449.1	1198.9	917.6	681.6	584.4
1.85	2157.1	2100.5	1930.6	1656.8	1354.7	1137.5	878.9	660.9	567.3
1.87	1897.5	1855.0	1604.8	1491.6	1236.6	1047.8	826.9	624.0	540.0
1.90	1515.1	1486.9	1397.2	1241.4	1062.0	922.3	750.5	570.2	498.4

### Features

High energy density

Robust tubular positive electrode design, compliant with DIN 40736

Minimal maintenance due to low antimony alloy and large electrolyte volume

Operating temperature -20°C to +55°C

EUROBAT design life: Long Life > 12 years

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

### Applications

Telecommunications/ Mobile Phone Stations

Traffic Systems

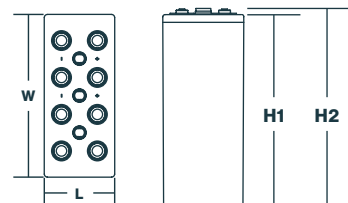
UPS Systems

Emergency Lighting

Electrical Switching

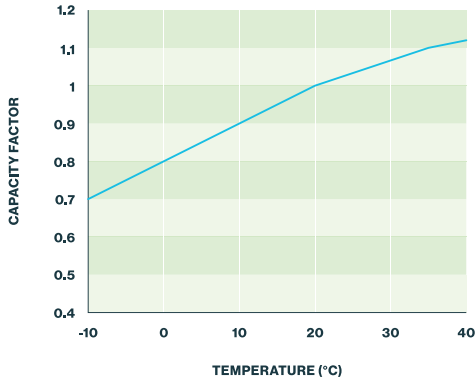
### Dimensions and weight

Length	212 mm
Width	575 mm
Height (H1)	772 mm
Total height (H2)	785 mm
Dry weight	141.0 kg
Filled weight	200.4 kg

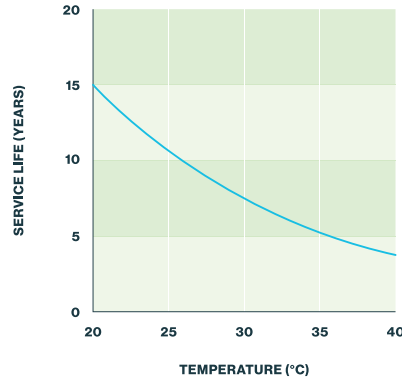


Compliant with IEC60896-11

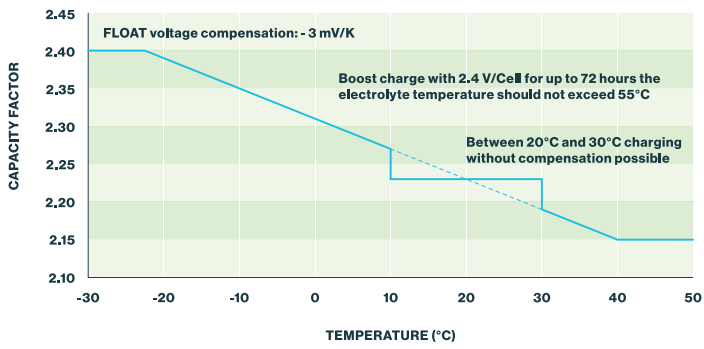
Capacity factor vs. Temperature - discharge current  $I_{10}$



Service life vs. Temperature



Charging voltage vs. Temperature



Self discharge

