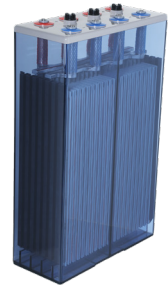


# 18 OPzS-ET 2250

## (2V 2475Ah @ 10hr)



### Performance characteristics

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

#### Nominal Capacity 20°C (68°F)

|                             |          |
|-----------------------------|----------|
| 10 hour rate (247.5A, 1.8V) | 2475Ah   |
| 5 hour rate (438.5A, 1.75V) | 2191.5Ah |
| 1 hour rate (1414A, 1.6V)   | 1414Ah   |

#### Internal Resistance

|                                   |          |
|-----------------------------------|----------|
| Fully Charged Battery 20°C (68°F) | 0.15mOhm |
|-----------------------------------|----------|

#### 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)

2408A

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

|                          |                      |
|--------------------------|----------------------|
| Cycle use                | 2.40V (time limited) |
| Maximum charging current | 990A                 |
| 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      | 2338 | 2197 | 1847 | 1414 | 955 | 693 | 490 | 327 | 267  |
| 1.65      | 2064 | 1958 | 1666 | 1295 | 906 | 674 | 480 | 324 | 267  |
| 1.70      | 1786 | 1706 | 1476 | 1167 | 849 | 644 | 463 | 319 | 265  |
| 1.75      | 1512 | 1454 | 1282 | 1030 | 775 | 601 | 438 | 309 | 259  |
| 1.80      | 1215 | 1189 | 1070 | 878  | 685 | 545 | 403 | 292 | 248  |
| 1.83      | 1061 | 1030 | 937  | 779  | 619 | 500 | 377 | 277 | 236  |
| 1.85      | 946  | 919  | 845  | 712  | 574 | 470 | 359 | 267 | 228  |
| 1.87      | 827  | 804  | 689  | 636  | 521 | 431 | 336 | 251 | 216  |
| 1.90      | 647  | 633  | 594  | 527  | 440 | 374 | 302 | 228 | 198  |

#### 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      | 3801 | 3602 | 3111 | 2413 | 1666 | 1242 | 902 | 613 | 507  |
| 1.65      | 3447 | 3288 | 2859 | 2241 | 1600 | 1215 | 888 | 610 | 507  |
| 1.70      | 3063 | 2935 | 2577 | 2046 | 1516 | 1171 | 860 | 603 | 507  |
| 1.75      | 2661 | 2568 | 2289 | 1843 | 1405 | 1109 | 823 | 588 | 496  |
| 1.80      | 2192 | 2152 | 1953 | 1604 | 1264 | 1017 | 764 | 559 | 477  |
| 1.83      | 1940 | 1892 | 1728 | 1441 | 1154 | 942  | 718 | 533 | 458  |
| 1.85      | 1750 | 1706 | 1573 | 1330 | 1078 | 893  | 687 | 516 | 445  |
| 1.87      | 1547 | 1503 | 1207 | 1198 | 986  | 822  | 646 | 488 | 423  |
| 1.90      | 1229 | 1202 | 1131 | 1008 | 845  | 721  | 588 | 447 | 390  |

### 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

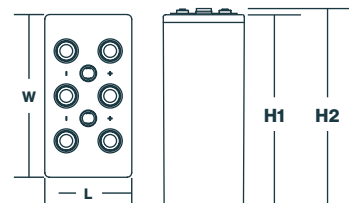
UPS Systems

Emergency Lighting

Electrical Switching

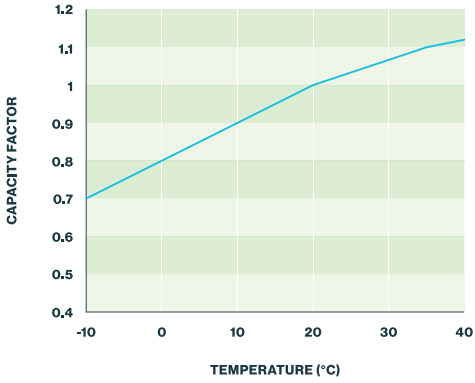
### Dimensions and weight

|                   |          |
|-------------------|----------|
| Length            | 214 mm   |
| Width             | 399 mm   |
| Height (H1)       | 772 mm   |
| Total height (H2) | 785 mm   |
| Dry weight        | 115.6 kg |
| Filled weight     | 155.1 kg |

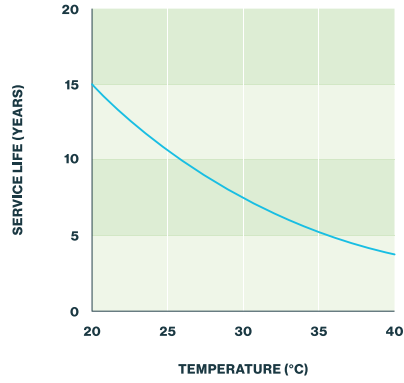


Compliant with IEC60896-11

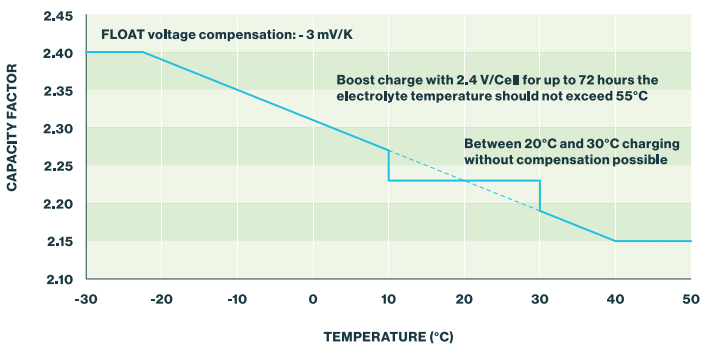
Capacity factor vs. Temperature - discharge current  $I_{10}$



Service life vs. Temperature



Charging voltage vs. Temperature



Self discharge

