

# 25 OPzS-ET 3125

## (2V 3438Ah @ 10hr)



### Performance characteristics

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

#### Nominal Capacity 20°C (68°F)

10 hour rate (343.8A, 1.8V)	3438Ah
5 hour rate (608.5A, 1.75V)	3042Ah
1 hour rate (1924A, 1.6V)	1924Ah

#### Internal Resistance

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

#### 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)

3217A

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

Cycle use	2.40V (time limited)
Maximum charging current	1375A
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	3124.6	2945.0	2478.2	1923.9	1298.0	962.5	680.3	453.6	371.4
1.65	2760.3	2621.7	2231.7	1754.7	1236.4	934.8	667.0	450.4	371.4
1.70	2390.9	2288.3	1890.4	1580.2	1159.5	893.8	642.4	443.4	367.4
1.75	2021.4	1949.6	1718.8	1395.5	1056.9	835.3	608.5	429.9	359.1
1.80	1646.9	1595.7	1436.5	1190.3	934.8	756.3	560.3	405.3	343.8
1.83	1416.1	1380.1	1251.9	1056.9	846.5	692.6	523.4	384.8	327.3
1.85	1267.3	1231.3	1128.8	966.5	783.9	652.6	498.7	371.4	316.1
1.87	1103.2	1077.4	997.4	862.9	711.2	599.2	466.9	348.8	299.6
1.90	866.1	849.6	797.3	707.0	601.3	519.1	419.7	316.1	275.0

#### 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	5079.2	4827.9	4176.3	3278.5	2262.6	1729.0	1251.9	850.7	706.0
1.65	4607.3	4402.1	3827.4	3037.3	2180.5	1682.8	1231.3	846.5	706.0
1.70	4099.4	3935.2	3458.0	2775.7	2067.6	1626.3	1190.3	837.3	701.9
1.75	3555.5	3442.6	3068.2	2498.7	1918.8	1539.1	1144.1	816.7	687.5
1.80	2970.7	2888.6	2621.7	2180.5	1729.0	1416.1	1062.1	775.8	663.8
1.83	2591.0	2534.5	2308.8	1954.8	1575.1	1303.2	997.4	740.9	635.2
1.85	2344.7	2283.2	2098.5	1800.9	1472.5	1236.4	955.3	718.4	616.6
1.87	2062.5	2016.3	1744.4	1621.3	1344.1	1138.9	898.8	678.3	587.0
1.90	1646.9	1616.2	1518.7	1349.4	1154.4	1002.5	815.8	619.8	541.7

### 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

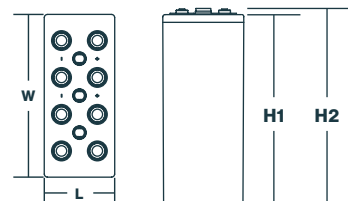
UPS Systems

Emergency Lighting

Electrical Switching

### Dimensions and weight

Length	212 mm
Width	575 mm
Height (H1)	772 mm
Total height (H2)	785 mm
Dry weight	153.4 kg
Filled weight	213.5 kg

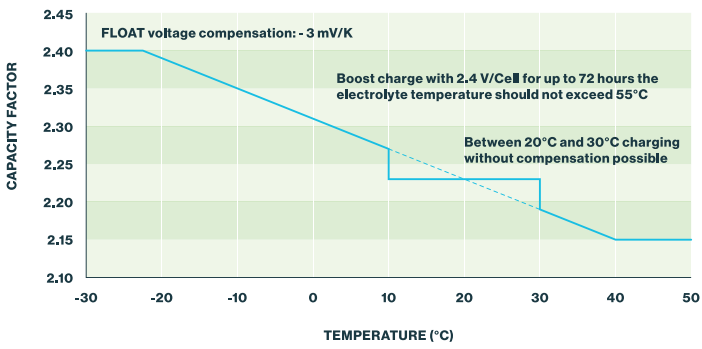


Compliant with IEC60896-11

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

Service life vs. Temperature

Charging voltage vs. Temperature



Self discharge

