

# 21 OPzS-ET 2625

## (2V 2888Ah @ 10hr)



### Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years
<b>Nominal Capacity 20°C (68°F)</b>	
10 hour rate (288.8A, 1.8V)	2888Ah
5 hour rate (511A, 1.75V)	2555Ah
1 hour rate (1650A, 1.6V)	1650Ah
<b>Internal Resistance</b>	
Fully Charged Battery 20°C (68°F)	0.12mOhm
<b>Electrolyte</b>	
Nominal S.G at 20°C = 1.240kg/l	
<b>Operating Temperature Range</b>	-20°C to +55°C
<b>Maximum Discharge Current 20°C (68°F)</b>	1155A
<b>Charge Methods: Constant Voltage Charge 20°C (68°F)</b>	
Cycle use	2.40V (time limited)
Maximum charging current	506A
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	2728.7	2156.0	1650.7	1650.7	1111.7	808.5	571.8	381.2	311.9
1.65	2401.4	1939.4	1511.1	1511.1	1058.8	784.4	560.2	378.3	311.9
1.70	2083.8	1718.1	1361.9	1361.9	986.5	750.8	540.0	372.5	309.0
1.75	1761.4	1491.9	1198.3	1198.3	904.7	701.7	511.1	360.9	301.3
1.80	1439.0	1251.2	1025.1	1025.1	798.9	635.3	470.7	340.8	288.8
1.83	1236.8	1092.5	908.6	908.6	721.9	583.3	439.9	323.4	275.3
1.85	1106.9	986.5	831.6	831.6	668.9	548.7	418.7	311.9	265.7
1.87	967.3	869.1	742.1	742.1	607.4	503.4	391.7	293.5	252.2
1.90	755.5	693.0	608.3	608.3	514.0	436.0	352.3	265.7	231.0

### 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	4432.3	4196.5	3633.5	2815.3	1939.4	1453.4	1049.1	714.2	592.9
1.65	4008.8	3830.8	3325.4	2613.2	1867.3	1414.9	1034.7	711.3	592.9
1.70	3575.7	3426.5	2998.2	2391.8	1761.4	1361.9	1001.0	703.6	590.0
1.75	3099.2	2998.2	2661.3	2146.4	1641.1	1294.6	959.6	685.3	576.5
1.80	2598.8	2516.9	2281.2	1876.9	1477.4	1188.7	892.2	652.6	557.3
1.83	2261.9	2199.3	2016.5	1679.5	1342.7	1097.3	838.4	622.7	534.2
1.85	2050.2	1992.4	1833.6	1549.6	1256.1	1039.5	801.7	603.5	517.8
1.87	1809.5	1756.6	1520.8	1395.6	1150.2	958.7	753.6	570.7	494.7
1.90	1434.1	1400.4	1318.6	1159.8	986.5	841.2	685.3	520.7	455.2

### Features

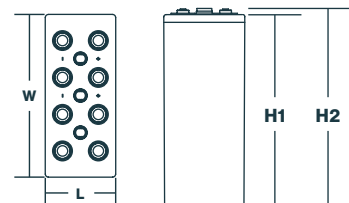
High energy density
Robust tubular positive electrode design, compliant with DIN 40736
Minimal maintenance due to low antimony alloy and large electrolyte volume
Operating temperature -20°C to +55°C
EUROBAT design life: Long Life > 12 years
Fully recyclable with low CO <sub>2</sub> footprint

### Applications

Telecommunications/ Mobile Phone Stations
Traffic Systems
UPS Systems
Emergency Lighting
Electrical Switching

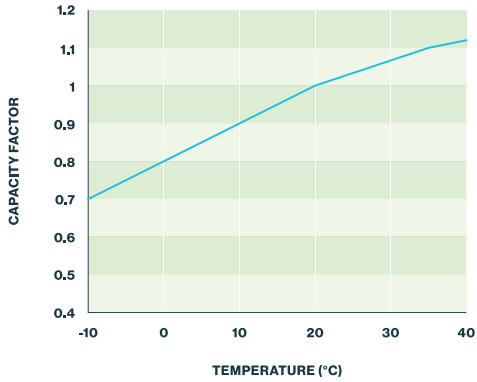
### Dimensions and weight

Length	212 mm
Width	575 mm
Height (H1)	772 mm
Total height (H2)	785 mm
Dry weight	132.1 kg
Filled weight	191.7 kg

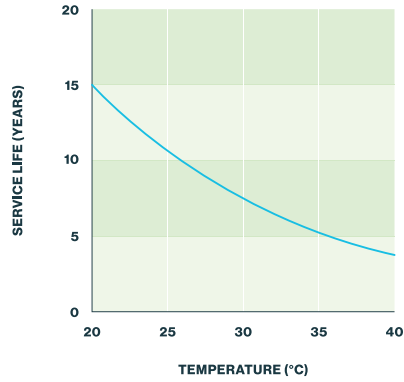


Compliant with IEC60896-11

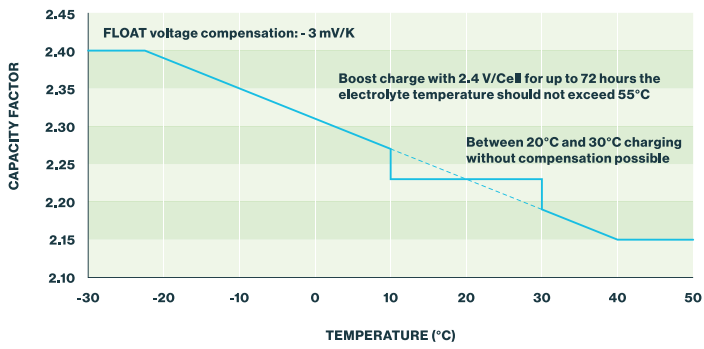
Capacity factor vs. Temperature - discharge current  $I_{10}$



Service life vs. Temperature



Charging voltage vs. Temperature



Self discharge

