

# 13 OPzV-ET 1625

## (2V 1788Ah @ 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 (178A, 1.8V)	1788Ah
5 hour rate (315A, 1.75V)	1575Ah
1 hour rate (1043A, 1.6V)	1043Ah
<b>Internal Resistance</b>	
Fully Charged Battery 20°C (68°F)	0.22mOhm
<b>Self-Discharge</b>	
2% of capacity declined per month at 20°C (average)	
<b>Operating Temperature Range</b>	
-20°C to +55°C	
<b>Maximum Discharge Current 20°C (68°F)</b>	
1681A	
<b>Charge Methods: Constant Voltage Charge 20°C (68°F)</b>	
Cycle use	2.40V (time limited)
Maximum charging current	894A
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	1681.2	1527.8	1358.3	1042.6	609.7	496.1	330.1	207.4	180.4
1.65	1367.3	1313.2	1205.0	995.7	595.3	487.0	326.5	207.4	180.4
1.70	1276.3	1211.9	1117.2	940.2	589.9	484.4	323.5	203.8	178.8
1.75	1108.3	1074.3	1011.7	827.6	534.5	463.0	314.6	203.8	178.8
1.80	1045.7	979.6	879.5	706.1	509.4	434.4	294.9	202.0	178.8
1.83	920.8	883.6	774.3	585.1	483.4	407.9	284.3	194.7	167.3
1.85	840.9	792.7	665.7	530.6	453.4	371.4	260.5	184.9	160.8
1.87	680.9	668.2	649.2	516.2	437.0	357.9	248.6	178.9	158.3
1.90	564.9	547.5	523.0	475.3	384.3	310.6	226.8	166.1	144.5

### 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	2699.4	2453.2	2204.0	1741.2	1095.9	911.7	621.8	397.0	347.1
1.65	2262.2	2172.7	2008.0	1690.7	1070.0	895.2	615.0	397.0	347.1
1.70	2172.6	2063.0	1912.7	1630.6	1053.1	891.5	609.4	390.0	343.9
1.75	1940.7	1881.2	1778.8	1469.3	966.3	850.7	592.6	390.0	343.9
1.80	1887.0	1767.6	1587.9	1283.2	936.3	807.0	554.8	384.9	343.9
1.83	1694.1	1625.6	1420.3	1077.7	899.9	765.4	540.3	371.6	320.7
1.85	1561.6	1472.1	1233.0	987.9	849.6	702.3	496.2	355.5	310.1
1.87	1278.1	1254.3	1214.8	970.8	827.1	680.8	477.0	345.7	306.5
1.90	1077.1	1044.0	1002.3	906.9	736.6	598.4	439.6	323.1	282.2

### Features

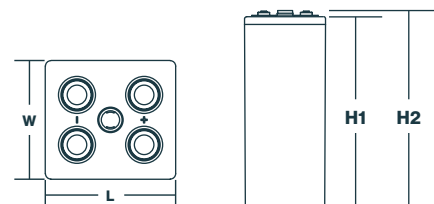
High capacity density
Robust tubular positive electrode design, compliant with DIN 40742
Low self discharge rate allows for up to 2 years shelf life
Operating temperature -20°C to +55°C
20 year float life at 20°C (68°F)
EUROBAT design life: Long Life > 12 years
Fully recyclable with low CO <sub>2</sub> footprint

### Applications

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

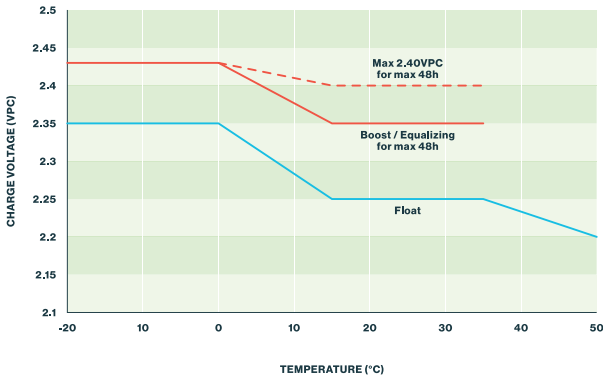
### Dimensions and weight

Length	210 mm
Width	275 mm
Height (H1)	796 mm
Total height (H2)	809 mm
Approx. weight	116.0 kg

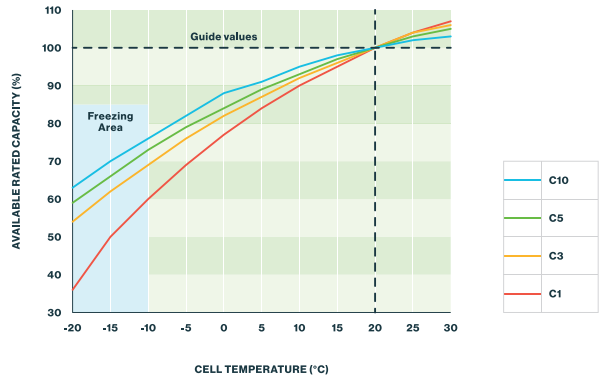


Compliant with IEC60896-21/22

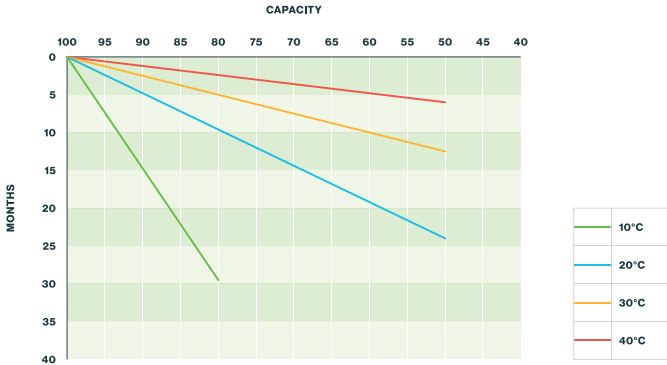
Charging voltage vs. Temperature



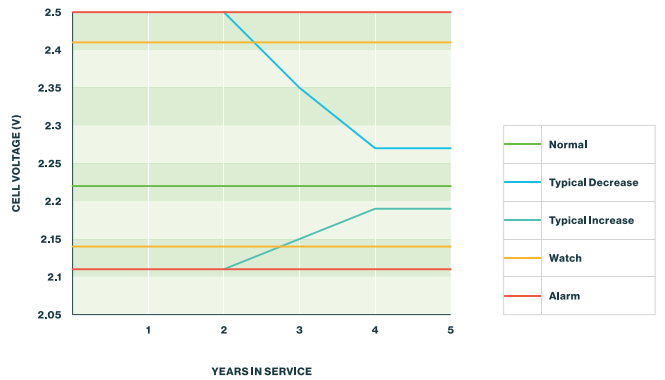
Capacity vs. Temperature



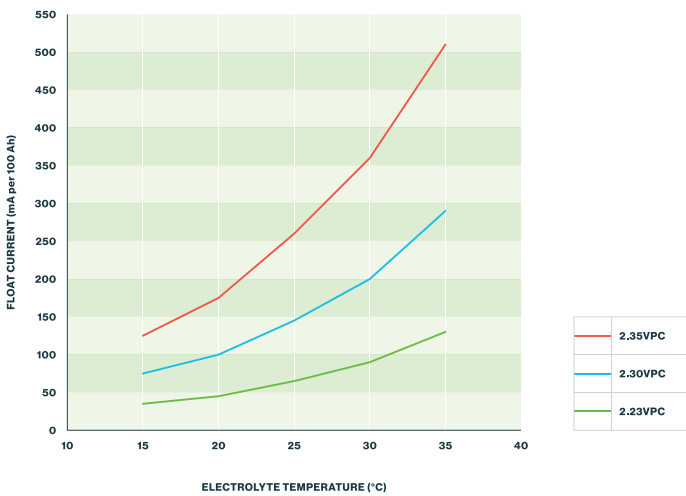
Self discharge at different temperatures



Float voltage deviation vs. Years in service



Float current: Residual charge current



Storage: Determine the state of charge

