

# 18 OPzV-ET 2250

## (2V 2466Ah @ 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 (246.6A, 1.8V)	2466Ah
5 hour rate (434A, 1.75V)	2169Ah
1 hour rate (1466.2A, 1.6V)	1446.2Ah
<b>Internal Resistance</b>	
Fully Charged Battery 20°C (68°F)	0.16mOhm
<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>	
2332A	
<b>Charge Methods: Constant Voltage Charge 20°C (68°F)</b>	
Cycle use	2.40V (time limited)
Maximum charging current	1233 A
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	2332.0	2119.3	1884.2	1446.2	845.7	688.1	457.9	287.7	250.2
1.65	1896.7	1821.5	1671.4	1381.1	825.7	675.5	452.9	287.7	250.2
1.70	1760.8	1671.9	1541.3	1297.1	813.8	668.3	446.3	281.2	247.5
1.75	1528.9	1482.0	1395.7	1141.7	737.4	638.7	434.0	281.2	247.5
1.80	1442.6	1351.4	1213.3	974.1	702.8	599.2	406.9	278.6	246.6
1.83	1272.6	1221.1	1070.1	808.6	668.1	563.8	392.9	269.0	231.2
1.85	1166.9	1100.0	923.7	736.3	629.2	515.4	361.4	256.6	223.1
1.87	940.0	922.5	896.2	712.6	603.4	494.0	343.2	247.1	218.6
1.90	780.6	756.6	722.7	656.8	531.0	429.2	313.4	229.6	199.6

### 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	3744.1	3402.6	3056.6	2410.7	1517.7	1263.1	862.4	550.2	480.5
1.65	3137.2	3013.0	2784.0	2344.6	1481.8	1240.1	853.0	550.2	480.5
1.70	2998.8	2847.6	2637.9	2249.1	1452.2	1230.5	840.7	537.6	473.6
1.75	2679.0	2596.9	2452.9	2025.9	1332.4	1172.3	817.5	537.6	473.6
1.80	2612.4	2447.2	2190.1	1770.6	1292.3	1113.4	764.3	530.9	473.6
1.83	2343.5	2248.9	1961.8	1489.3	1242.8	1056.4	745.3	514.0	442.5
1.85	2173.8	2049.1	1711.8	1370.9	1178.9	973.7	689.1	493.6	429.8
1.87	1767.7	1734.8	1678.6	1338.6	1141.3	938.9	657.7	477.8	422.2
1.90	1494.7	1448.8	1392.5	1252.7	1017.8	825.5	607.6	445.4	389.9

### Features

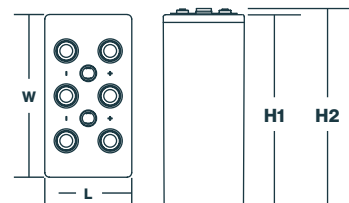
High capacity density
Robust tubular positive electrode design, compliant with DIN 40742
Low self discharge rate allows for up to 2 years shelf life
Operating temperature -20°C to +55°C
20 year float life at 20°C (68°F)
EUROBAT design life: Long Life > 12 years
Fully recyclable with low CO <sub>2</sub>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

### Applications

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

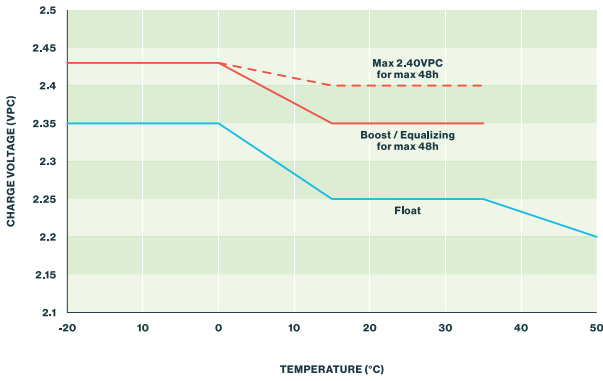
### Dimensions and weight

Length	214 mm
Width	399 mm
Height (H1)	771 mm
Total height (H2)	784 mm
Approx weight	165 kg

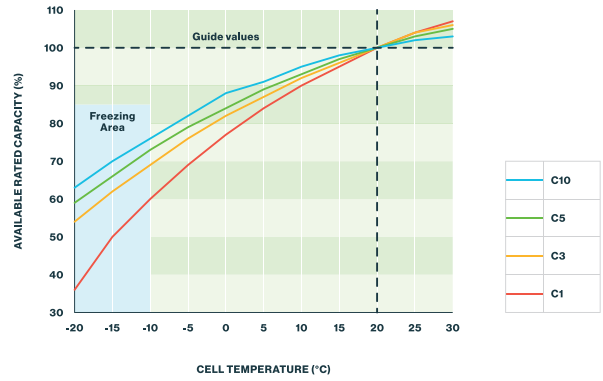


Compliant with IEC60896-21/22

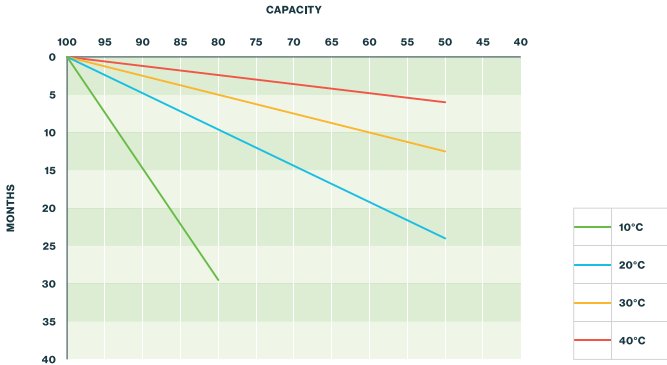
### Charging voltage vs. Temperature



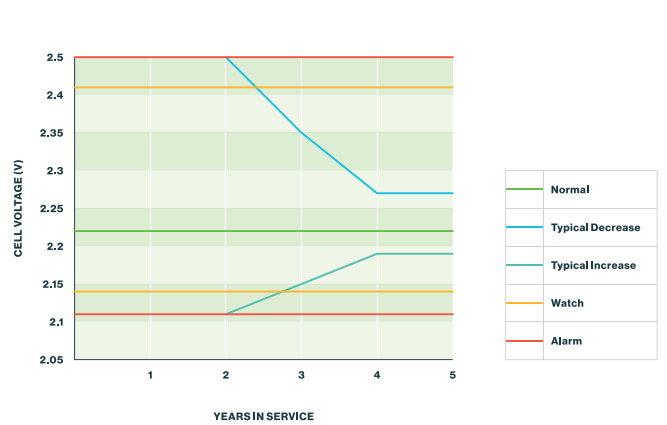
### Capacity vs. Temperature



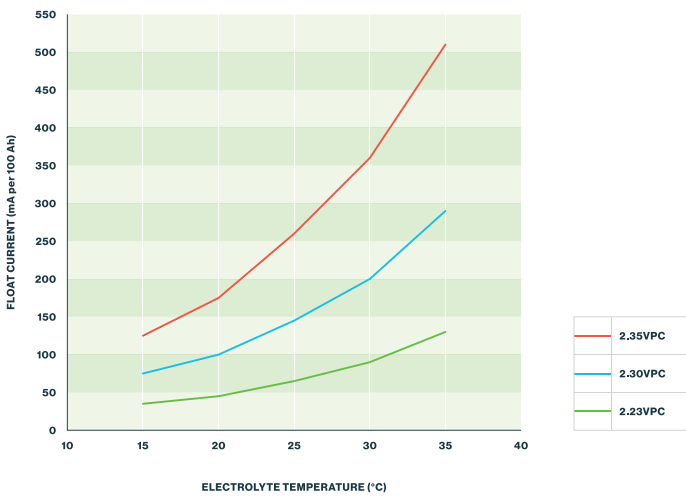
### Self discharge at different temperatures



### Float voltage deviation vs. Years in service



### Float current: Residual charge current



### Storage: Determine the state of charge

