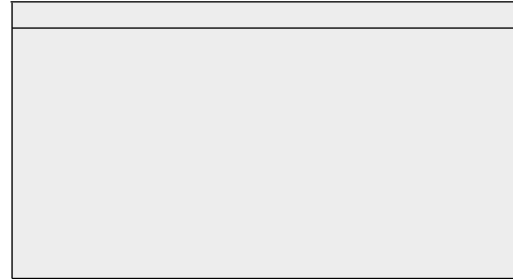


# UP Series

## 26 OPzV 3250

O P z V C E L L



### Main Features

- **Design Life**  
More than 15 years at 20°C.
- **IIEC 896-1**  
1500 cycles.
- **Self Discharge**  
Approx. 2% per month at 20°C.
- **Operating Temperature Range**  
-20°C to 55°C, recommended 10°C to 30°C.
- **Full Conformity with**  
IIEC 896-1, IEC 60896-21 and EN 61427.

### Technical Specifications

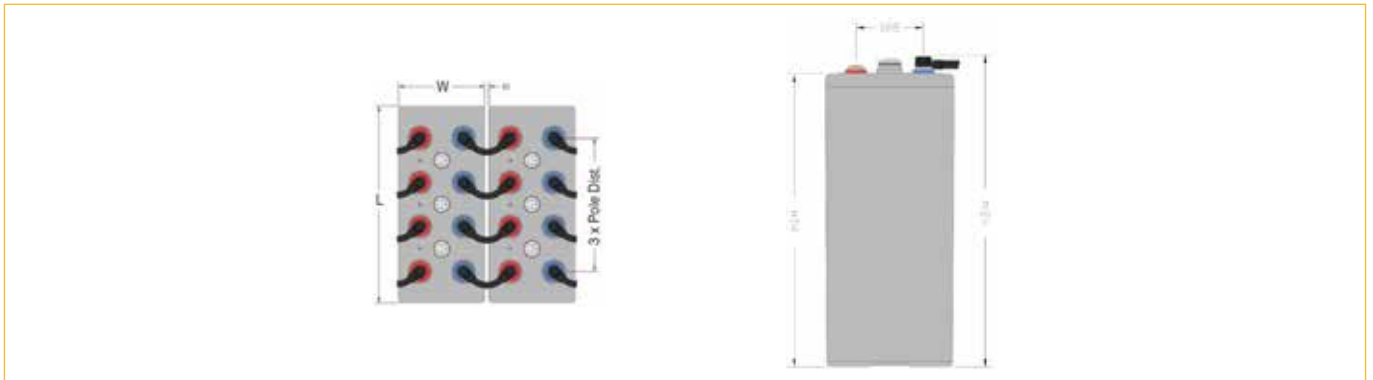
Capacity (Ah), C10 (1,80 V/cell, 20°C)	3718
Capacity (Ah), C8 (1,75 V/cell, 20°C)	3672
Number of Plates (+) per Cell	26
Floating Voltage Set Point (V/cell)	2.25
Maximum Initial Charge Current (A)	0.3 C10
Recommended Boost Charge Voltage (V/cell)	2.35
Recommended End of Discharge Voltage (10-hr rate) (V/cell)	1.80
Short Circuit Current (A)	19800
Internal Resistance (mOhm)	0.103
Number of Cycles at 60% Depth of Discharge	2500
Self-Discharge Rate per Month at 20°C	Approx. 2%
Dimensions in mm (L x W x H1 x H2) H1 = Height to the lid H2 = Height including connectors & bolts	576 x 212 x 771 x 799
Weight (kg)	241.8
Type and Number of Poles	M10 / 8
Operating Temperature / Recommended Temperature	-20°C - 45°C/10°C - 30°C

\*All dimensions and weights shown are subject to manufacturing tolerances.

\*\* Vertical installation is the default installation for OPzV cells.

For horizontal installation special 'OPzV HP' cells are available upon customer request.

Dimensions



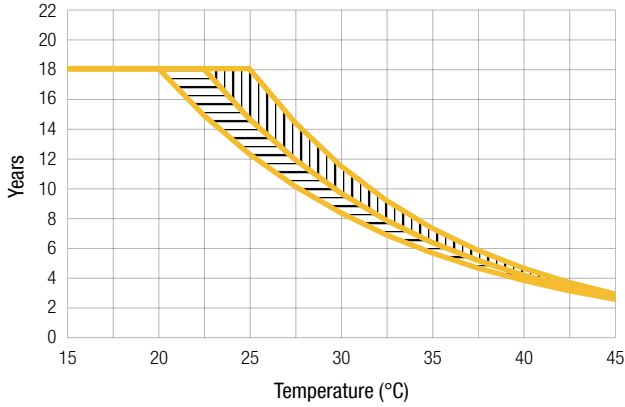
Constant Current Discharge in A (at 20°C)

End Voltage (V/cell)	Discharge Time														
	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	10h	12h	20h
1.60 V	3332.1	3138.1	2686.4	2335.6	2050.3	1352.4	1012.3	816.1	687.6	596.1	527.4	473.7	395.1	340.0	221.3
1.65 V	3006.8	2841.0	2454.2	2163.2	1925.8	1319.2	999.6	808.6	682.3	592.0	524.0	470.9	392.9	338.2	220.2
1.70 V	2677.8	2536.3	2209.1	1966.4	1771.5	1257.5	973.9	795.2	673.5	585.5	518.9	466.7	389.8	335.7	218.8
1.75 V	2342.2	2228.2	1953.8	1752.4	1592.4	1167.7	922.8	765.3	654.7	572.5	509.2	459.0	384.4	331.5	216.7
1.80 V	1987.0	1912.4	1690.4	1525.2	1394.9	1050.7	846.4	710.9	614.3	542.0	485.6	440.3	371.8	322.4	212.5
1.83 V	1762.6	1721.1	1528.2	1383.8	1269.7	968.3	788.7	667.6	580.1	513.8	461.9	420.1	356.6	310.6	207.2
1.85 V	1573.5	1565.7	1418.8	1287.6	1183.7	909.2	745.5	634.1	553.1	491.3	442.7	403.3	343.3	299.7	201.3
1.87 V	1424.4	1413.4	1308.5	1190.0	1096.1	847.2	698.5	597.0	522.7	465.7	420.6	383.9	327.8	286.8	193.7
1.90 V	1190.8	1185.0	1139.6	1040.6	961.2	749.6	622.4	535.1	470.9	421.5	382.0	349.8	300.1	263.6	179.7

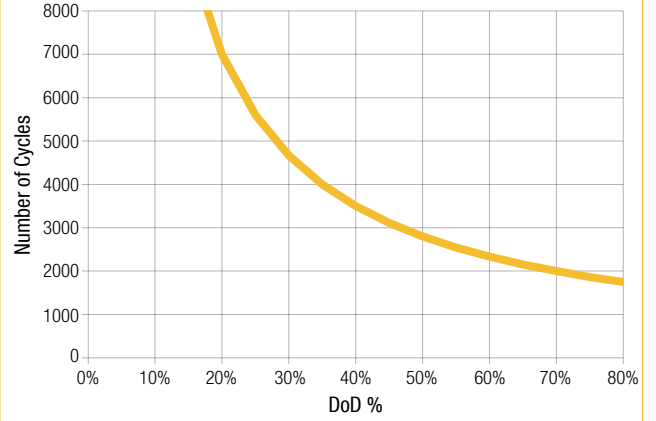
Constant Power Discharge in W/cell (at 20°C)

End Voltage (V/cell)	Discharge Time														
	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	10h	12h	20h
1.60 V	5250.7	4973.4	4329.5	3833.1	3426.6	2387.0	1836.2	1503.4	1279.7	1117.7	994.4	897.3	753.4	651.5	428.9
1.65 V	4888.4	4635.4	4054.4	3619.0	3264.7	2333.3	1815.3	1491.3	1271.2	1111.1	989.1	892.8	750.0	648.7	427.3
1.70 V	4490.7	4263.7	3744.9	3363.7	3057.0	2239.1	1771.9	1468.5	1256.5	1100.3	980.6	885.8	744.8	644.5	425.0
1.75 V	4050.5	3854.2	3400.5	3068.5	2805.6	2103.2	1689.3	1417.4	1223.6	1077.6	963.7	872.4	735.4	637.4	421.3
1.80 V	3561.6	3406.1	3020.4	2736.5	2512.5	1921.3	1566.4	1327.5	1155.2	1024.7	922.2	839.2	712.9	620.9	413.9
1.83 V	3217.7	3118.0	2774.7	2519.8	2319.2	1789.7	1471.8	1255.1	1097.1	976.4	881.2	804.0	686.0	599.9	404.2
1.85 V	2917.3	2896.1	2603.1	2368.1	2182.8	1693.1	1399.5	1198.4	1050.8	937.5	847.7	774.6	662.6	580.5	393.5
1.87 V	2662.9	2645.0	2425.2	2210.4	2040.3	1590.1	1320.2	1134.8	998.1	892.8	809.0	740.4	635.0	557.4	379.8
1.90 V	2298.1	2288.3	2146.2	1962.3	1815.1	1424.4	1188.9	1027.0	907.1	814.4	740.2	679.3	585.1	515.3	354.0

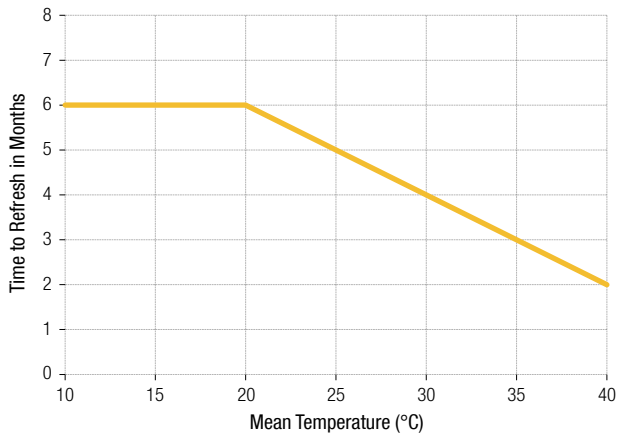
Expected Service Life vs. Operating Temperature



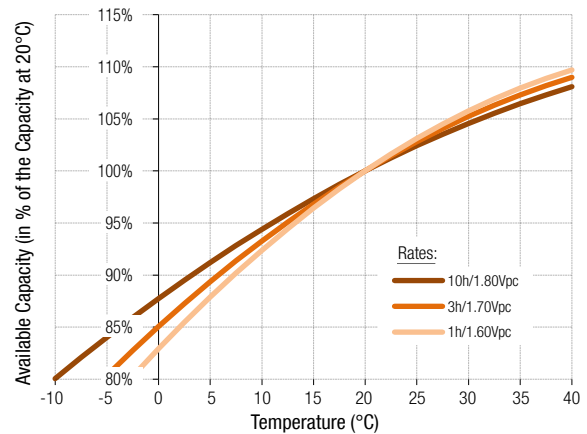
Number of Cycles vs. DOD



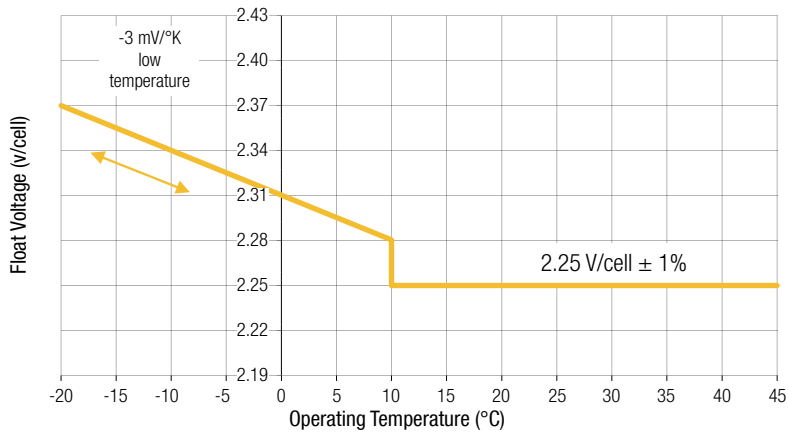
Time to Refresh vs. Temperature



Capacity vs. Temperature



Float Voltage Setting vs. Operating Temperature



\* Upower reserves the right to change or revise without notice any information or detail given in this publication.