UP Series
5 OPzV 250

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), C100 (1,85 V/cell, 20°C)	364
Capacity (Ah), C10 (1,80 V/cell, 20°C)	280
Number of Plates (+) per Cell	5
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)	3040
Internal Resistance (mOhm)	0.670
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	124 x 206 x 354 x 382
Weight (kg)	21.8
Type and Number of Poles	M10 / 2
Operating Temperature / Recommended Temperature	-20°C - 45°C/10°C - 30°C

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

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STATIONARY Valve Regulated Tubular Plate

5 OPzV 250

Upower
Unlimited power

Dimensions

Constant Current Discharge in A (at 20°C)

Discharge Time															
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	10h	12h	20h
1.60 V	416.4	371.0	271.4	211.7	174.6	106.4	78.5	62.8	52.7	45.6	40.3	36.2	30.1	25.9	16.8
1.65 V	377.8	341.4	259.0	206.5	171.6	105.3	77.7	62.3	52.3	45.2	40.0	35.9	29.9	25.7	16.7
1.70 V	336.3	307.6	240.7	196.4	165.7	103.4	76.6	61.5	51.6	44.7	39.5	35.5	29.6	25.4	16.5
1.75 V	292.5	270.1	217.5	181.0	155.0	99.8	74.6	60.0	50.5	43.8	38.7	34.8	29.0	25.0	16.2
1.80 V	247.0	229.9	189.7	161.0	139.8	92.8	70.4	57.1	48.3	42.0	37.2	33.5	28.0	24.1	15.7
1.83 V	219.0	204.8	171.1	146.9	128.7	86.9	66.5	54.2	46.0	40.1	35.6	32.1	26.9	23.2	15.2
1.85 V	200.0	187.7	158.1	136.6	120.4	82.4	63.4	51.9	44.1	38.5	34.3	30.9	25.9	22.4	14.7
1.87 V	175.2	170.5	144.5	125.7	111.4	77.3	59.8	49.2	41.9	36.7	32.7	29.5	24.8	21.4	14.1
1.90 V	143.6	142.3	123.7	108.5	96.9	68.6	53.7	44.4	38.0	33.3	29.8	26.9	22.7	19.7	13.0

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

Discharge Time															
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	10h	12h	20h
1.60 V	651.6	586.5	447.2	359.8	302.5	191.2	143.3	115.8	97.8	85.0	75.4	67.9	56.8	49.0	32.1
1.65 V	609.7	553.5	430.9	352.1	298.0	189.5	142.2	115.0	97.1	84.5	74.9	67.4	56.5	48.7	31.9
1.70 V	560.2	512.7	407.1	337.7	289.1	186.5	140.4	113.6	96.1	83.6	74.2	66.8	55.9	48.3	31.6
1.75 V	503.3	463.9	375.8	315.9	273.2	180.6	137.0	111.3	94.3	82.1	72.9	65.7	55.0	47.5	31.2
1.80 V	438.8	407.2	336.0	286.6	250.5	169.4	130.0	106.4	90.5	79.0	70.3	63.4	53.3	46.1	30.3
1.83 V	396.9	369.4	308.0	265.1	233.2	160.0	123.6	101.5	86.6	75.8	67.6	61.0	51.4	44.5	29.4
1.85 V	366.7	342.9	287.7	248.9	220.0	152.5	118.3	97.5	83.4	73.0	65.2	58.9	49.7	43.0	28.5
1.87 V	331.9	315.2	266.1	231.5	205.5	144.0	112.3	92.8	79.5	69.8	62.3	56.4	47.6	41.3	27.4
1.90 V	275.7	268.8	231.4	202.8	181.2	129.1	101.6	84.5	72.6	63.9	57.2	51.8	43.8	38.1	25.4

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

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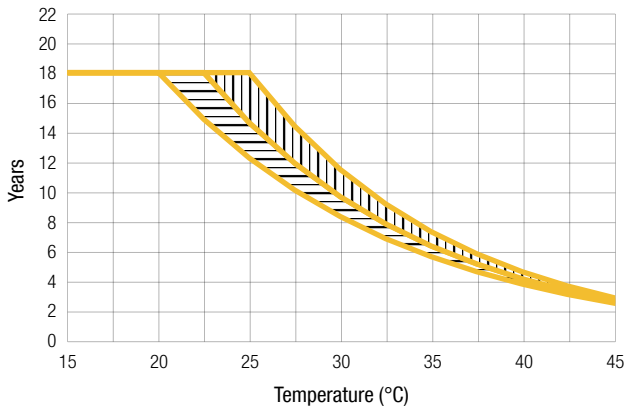
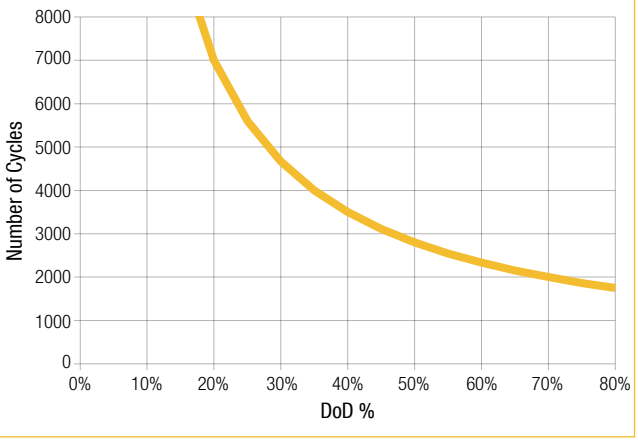
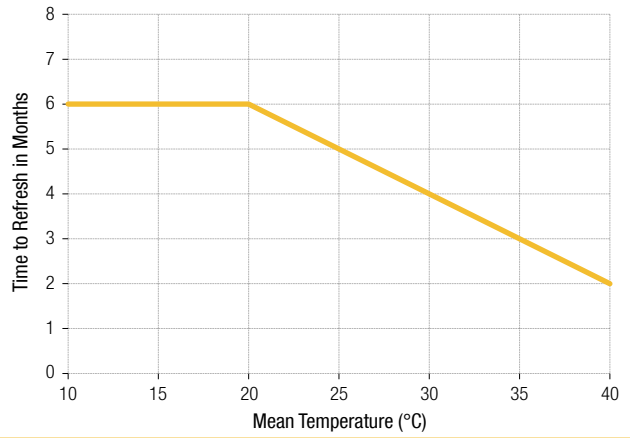
Expected Service Life vs. Operating Temperature



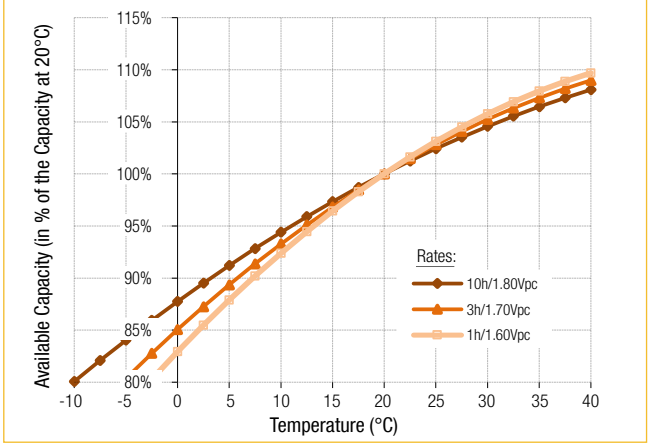
Number of Cycles vs. DOD



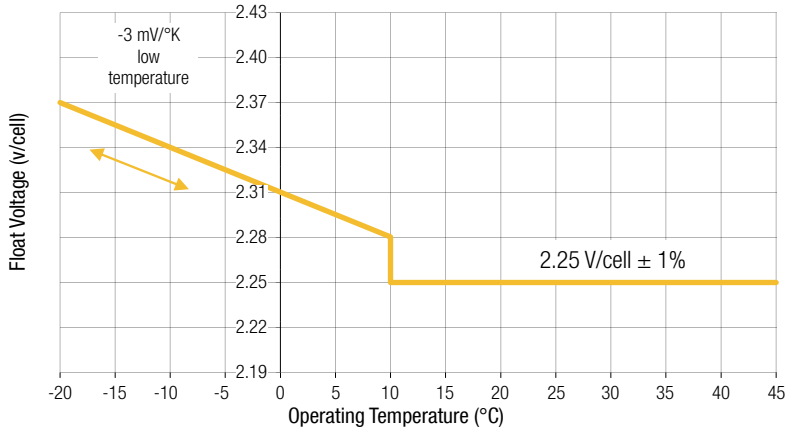
Time to Refresh vs. Temperature



Capacity vs. Temperature



Float Voltage Setting vs. Operating Temperature



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