

# Serie UP

## 10 OPzV 1000

C E L D A O P z V



### Características Principales

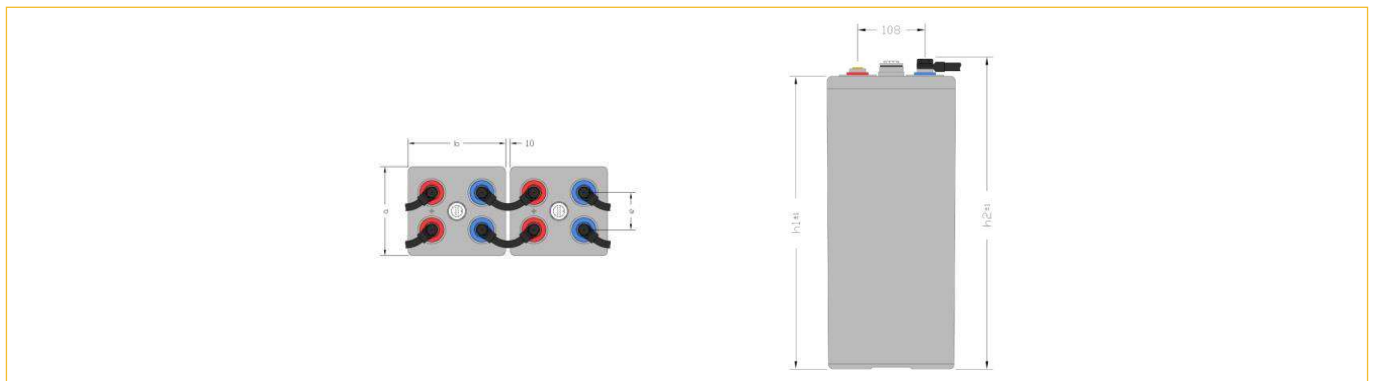
- **Vida Útil**  
Más de 15 años a 20°C.
- **IIEC 896-1**  
1200 ciclos.
- **Auto-descarga**  
Aprox. 2% al mes a 20°C.
- **Temperatura de Trabajo**  
-20°C a 55°C, recomendado de 10°C a 30°C.
- **Conformes a**  
IIEC 896-1, IEC 60896-21 y EN 61427.

### Especificaciones Técnicas

|   |                          |
|---|--------------------------|
| Capacidad (Ah), C100 (1,85 V/celda, 20°C)   | 1532                     |
| Capacidad (Ah), C10 (1,80 V/celda, 20°C)  | 1150                     |
| Número de Placas (+) por Celda  | 10                       |
| Punto de Ajuste de Voltaje Flotante (V/celda)   | 2.25                     |
| Corriente de Carga Inicial Máxima (A)   | 0.3 C10                  |
| Voltaje de Carga de Refuerzo Recomendado (V/celda)  | 2.35                     |
| Voltaje Recomendado de Final de Descarga (tasa 10h) (V/celda)   | 1.80                     |
| Corriente de Cortocircuito (A)  | 7700                     |
| Resistencia Interna (mOhm)  | 0.265                    |
| Número de Ciclos al 60% de Profundidad de Descarga  | 2500                     |
| Tasa de Autodescarga por Mes a 20°C   | Aprox. 2%                |
| Dimensiones en mm (L x W x H1 x H2)<br>H1 = Altura hasta la tapa<br>H2 = Altura incluidos conectores y pernos | 233 x 210 x 646 x 674    |
| Peso (kg)   | 80.4                     |
| Tipo y Número de Polos  | M10 / 4                  |
| Temperatura de Funcionamiento / Temperatura Recomendada   | -20°C - 45°C/10°C - 30°C |

\* Todas las dimensiones y pesos mostrados están sujetos a tolerancias de fabricación.

## Dimensiones



## Descarga de Corriente Constante en A (a 20°C)

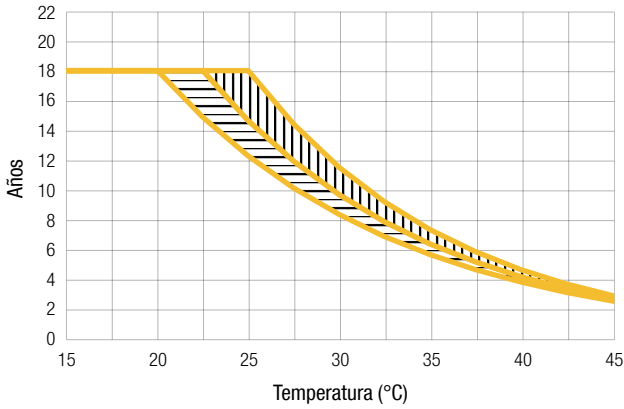
| Voltaje Final (V/celda) | Tiempo de Descarga |        |       |       |       |       |       |       |       |       |       |       |       |       |      |
|-------------------------|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|                         | 10min              | 15min  | 30min | 45min | 1h    | 2h    | 3h    | 4h    | 5h    | 6h    | 7h    | 8h    | 10h   | 12h   | 20h  |
| 1.60 V                  | 1218.5             | 1148.7 | 961.0 | 811.6 | 695.8 | 439.5 | 326.5 | 262.3 | 220.5 | 190.9 | 168.7 | 151.4 | 126.1 | 108.5 | 70.5 |
| 1.65 V                  | 1091.1             | 1033.2 | 882.5 | 759.1 | 662.1 | 431.4 | 322.1 | 259.3 | 218.2 | 189.0 | 167.1 | 150.0 | 125.0 | 107.5 | 70.0 |
| 1.70 V                  | 959.4              | 914.0  | 793.2 | 694.3 | 613.9 | 415.9 | 314.6 | 254.5 | 214.6 | 186.1 | 164.7 | 147.9 | 123.4 | 106.2 | 69.1 |
| 1.75 V                  | 827.3              | 790.5  | 695.7 | 617.8 | 553.7 | 388.2 | 299.7 | 245.0 | 207.8 | 180.8 | 160.4 | 144.3 | 120.6 | 103.9 | 67.9 |
| 1.80 V                  | 675.7              | 663.1  | 591.5 | 531.8 | 482.3 | 349.6 | 274.7 | 227.3 | 194.4 | 170.2 | 151.6 | 136.9 | 115.0 | 99.4  | 65.4 |
| 1.83 V                  | 581.9              | 572.9  | 526.9 | 476.6 | 434.8 | 321.3 | 255.4 | 212.7 | 182.8 | 160.6 | 143.5 | 129.8 | 109.4 | 94.9  | 62.8 |
| 1.85 V                  | 518.5              | 514.6  | 483.0 | 438.4 | 401.6 | 300.4 | 240.7 | 201.4 | 173.6 | 152.9 | 136.9 | 124.1 | 104.8 | 91.0  | 60.5 |
| 1.87 V                  | 464.6              | 462.0  | 438.7 | 399.7 | 367.1 | 277.9 | 224.4 | 188.8 | 163.3 | 144.3 | 129.4 | 117.4 | 99.5  | 86.5  | 57.8 |
| 1.90 V                  | 374.9              | 370.7  | 363.5 | 340.3 | 314.1 | 241.5 | 197.2 | 167.3 | 145.6 | 129.2 | 116.3 | 105.9 | 90.1  | 78.6  | 52.9 |

## Descarga de Energía Constante en W/celda (a 20°C)

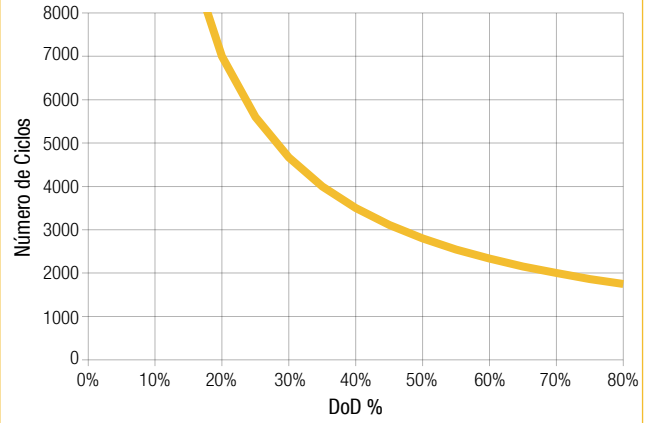
| Voltaje Final (V/celda) | Tiempo de Descarga |        |        |        |        |       |       |       |       |       |       |       |       |       |       |
|-------------------------|--------------------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                         | 10min              | 15min  | 30min  | 45min  | 1h     | 2h    | 3h    | 4h    | 5h    | 6h    | 7h    | 8h    | 10h   | 12h   | 20h   |
| 1.60 V                  | 1908.5             | 1801.3 | 1527.6 | 1316.9 | 1153.1 | 766.9 | 582.9 | 474.7 | 402.8 | 351.0 | 311.8 | 281.0 | 235.6 | 203.6 | 134.0 |
| 1.65 V                  | 1767.2             | 1673.3 | 1437.3 | 1253.0 | 1108.2 | 754.6 | 576.2 | 470.1 | 399.2 | 348.0 | 309.3 | 278.8 | 233.8 | 202.1 | 133.1 |
| 1.70 V                  | 1608.8             | 1528.3 | 1328.0 | 1170.4 | 1044.5 | 730.7 | 564.3 | 462.3 | 393.4 | 343.4 | 305.4 | 275.4 | 231.2 | 199.9 | 131.8 |
| 1.75 V                  | 1431.9             | 1365.6 | 1198.7 | 1067.7 | 961.7  | 689.0 | 540.4 | 446.8 | 382.1 | 334.6 | 298.2 | 269.4 | 226.5 | 196.1 | 129.6 |
| 1.80 V                  | 1225.8             | 1185.9 | 1050.2 | 944.2  | 858.0  | 630.0 | 500.9 | 418.0 | 359.9 | 316.8 | 283.4 | 256.8 | 217.0 | 188.4 | 125.3 |
| 1.83 V                  | 1066.7             | 1058.0 | 952.1  | 860.3  | 785.5  | 585.7 | 469.8 | 394.1 | 340.5 | 300.6 | 269.6 | 244.8 | 207.4 | 180.5 | 120.7 |
| 1.85 V                  | 979.1              | 973.4  | 883.4  | 800.7  | 733.2  | 552.0 | 445.6 | 375.2 | 325.2 | 287.6 | 258.3 | 234.8 | 199.3 | 173.8 | 116.7 |
| 1.87 V                  | 871.1              | 862.1  | 811.6  | 737.9  | 677.7  | 515.2 | 418.5 | 353.9 | 307.6 | 272.7 | 245.3 | 223.3 | 190.0 | 165.9 | 111.8 |
| 1.90 V                  | 718.2              | 714.5  | 693.3  | 638.8  | 589.1  | 453.8 | 372.1 | 316.8 | 276.8 | 246.3 | 222.3 | 202.9 | 173.3 | 151.7 | 103.1 |

\* Upower se reserva el derecho de cambiar o revisar sin previo aviso cualquier información o detalle proporcionado en esta publicación.

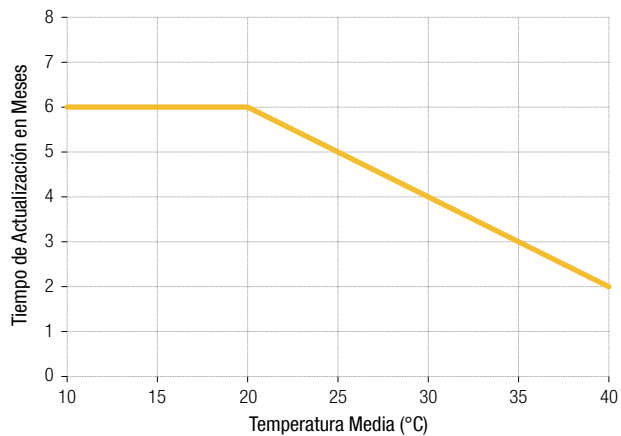
Vida Útil Esperada vs Temperatura de Funcionamiento



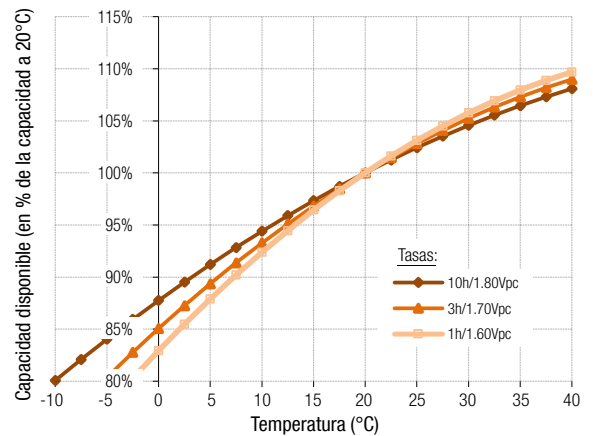
Número de Ciclos vs. DOD



Tiempo de Actualización vs. Temperatura



Capacidad vs. Temperatura



Ajuste de Voltaje Flotante vs. Temperatura de Funcionamiento

