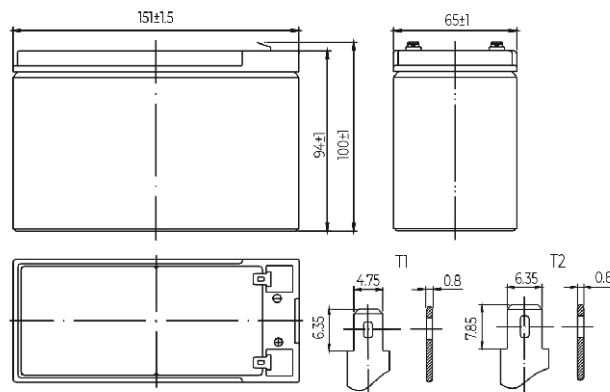




| REFERENCIA                     | PHB 1207                                                         | PHB 1209                                                       |
|--------------------------------|------------------------------------------------------------------|----------------------------------------------------------------|
| VOLTAJE NOMINAL                | 12 V (6 celdas / unidad)                                         | 12 V (6 celdas / unidad)                                       |
| POTENCIA NOMINAL               | 24W @ 15 min 1.67V/Cell (25°C)                                   | 34W @ 15 min 1.67V/Cell (25°C)                                 |
| CAPACIDAD @ 25°                | 20 h/rate/10.5V: <b>7.2 Ah</b><br>5 h/rate/10.5V: <b>6.15 Ah</b> | 20 h/rate/10.5V: <b>9 Ah</b><br>5 h/rate/10.5V: <b>7.95 Ah</b> |
| TIPO DE TERMINAL               | T1/T2                                                            | T1/T2                                                          |
| TORSIÓN                        | N/A                                                              | N/A                                                            |
| RESISTENCIA INTERNA 25°C APROX | 30.0 m                                                           | 14.0 m                                                         |
| DIMENSIONES                    |                                                                  |                                                                |
| LONGITUD                       | 151 ± 1.5 mm                                                     | 151 ± 1.5 mm                                                   |
| ANCHO                          | 65 ± 1 mm                                                        | 65 ± 1 mm                                                      |
| ALTURA                         | 94 ± 1 mm                                                        | 94 ± 1 mm                                                      |
| ALTURA TOTAL                   | 100 ± mm                                                         | 100 ± mm                                                       |
| PESO                           | 2.20 Kg                                                          | 2.60 Kg                                                        |
| VIDA (STAND-BY)                |                                                                  |                                                                |
| JIS @ 25°C                     | 5 años                                                           | 5 años                                                         |
| EUROBAT @ 20°C                 | 3 - 5 años                                                       | 3 - 5 años                                                     |
| TEMPERATURA                    |                                                                  |                                                                |
| TEMPERATURA NOMINAL            | 25 ± 3°C                                                         | 25 ± 3°C                                                       |
| RANGO DE TEMPERATURA           |                                                                  |                                                                |
| DESCARGA                       | -15°C ~ 50°C                                                     | -15°C ~ 50°C                                                   |
| CARGA                          | -10°C ~ 50°C                                                     | -10°C ~ 50°C                                                   |
| ALMACENAMIENTO                 | -20°C ~ 50°C                                                     | -20°C ~ 50°C                                                   |
| TENSIÓN DE CARTA               |                                                                  |                                                                |
| FLOTANTE @25°C                 | 13.6 V 13.8 V                                                    | 13.6 V 13.8 V                                                  |
| CÍCLICA @25°C                  | 14.5 V 15.0 V                                                    | 14.5 V 15.0 V                                                  |
| COMPENSACIÓN DE TEMPERATURA    |                                                                  |                                                                |
| CARGA FLOTANTE                 | -18 mV / °C/Block                                                | -18 mV / °C/Block                                              |
| CICLO DE CARGA                 | -30 mV / °C/Block                                                | -30 mV / °C/Block                                              |
| CORRIENTE DE CARGA MÁXIMA (A)  |                                                                  |                                                                |
| MÁX. CORRIENTE DE DESCARGA 5 S | 108 A                                                            | 135 A                                                          |
| TASA DE AUTODESCARGA @ 25°C    | ≤ 3%/mes                                                         | ≤ 3%/mes                                                       |
| CONTENEDOR BATERÍA ABS UL94-HB | V-0 Opcional                                                     | V-0 Opcional                                                   |



## PHB 1207

### Características

Manufactured according to IEC 60896-21 / 22

| Component    | Positive Plate | Negative plate | Container      | Separator | Electrolyte   | Safety valve | Terminal |
|--------------|----------------|----------------|----------------|-----------|---------------|--------------|----------|
| Raw material | Lead dioxide   | Lead           | ABS (V-0 opt.) | AGM       | Sulfuric Acid | Rubber       | Copper   |

### Características de descarga de corriente constante a 25°C

(Ampere/cell)

| F.V/Time   | 5min  | 10min | 15min | 20min | 30min | 45min | 60min | 2h   | 3h   | 4h   | 5h   |
|------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| 1.60V/cell | 38.64 | 23.84 | 17.80 | 14.10 | 9.55  | 7.07  | 5.78  | 3.31 | 2.35 | 1.89 | 1.62 |
| 1.67V/cell | 36.96 | 22.79 | 17.20 | 13.50 | 9.24  | 6.84  | 5.64  | 3.28 | 2.33 | 1.87 | 1.61 |
| 1.70V/cell | 35.91 | 22.16 | 16.70 | 13.20 | 9.07  | 6.72  | 5.55  | 3.26 | 2.32 | 1.87 | 1.60 |
| 1.75V/cell | 34.44 | 21.21 | 16.20 | 12.80 | 8.85  | 6.55  | 5.44  | 3.21 | 2.30 | 1.85 | 1.59 |
| 1.80V/cell | 32.45 | 19.95 | 15.30 | 12.10 | 8.53  | 6.31  | 5.27  | 3.13 | 2.23 | 1.80 | 1.55 |

### Características de descarga de potencia constante a 25°C

(Watts/cell)

| F.V/Time   | 5min  | 10min | 15min | 20min | 30min | 45min | 60min | 2h   | 3h   | 4h   | 5h   |
|------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| 1.60V/cell | 72.47 | 44.00 | 35.30 | 27.90 | 18.90 | 14.00 | 11.50 | 6.58 | 4.72 | 3.80 | 3.27 |
| 1.67V/cell | 69.19 | 42.00 | 34.00 | 26.80 | 18.30 | 13.50 | 11.20 | 6.52 | 4.68 | 3.77 | 3.24 |
| 1.70V/cell | 67.34 | 40.90 | 33.10 | 26.20 | 18.00 | 13.30 | 11.00 | 6.48 | 4.66 | 3.75 | 3.22 |
| 1.75V/cell | 64.47 | 39.10 | 32.00 | 25.30 | 17.50 | 13.00 | 10.80 | 6.39 | 4.63 | 3.73 | 3.20 |
| 1.80V/cell | 60.89 | 37.00 | 30.30 | 24.00 | 16.90 | 12.50 | 10.40 | 6.22 | 4.49 | 3.61 | 3.11 |

## PHB 1209

### Características

Manufactured according to IEC 60896-21 / 22

| Component    | Positive Plate | Negative plate | Container      | Separator | Electrolyte   | Safety valve | Terminal |
|--------------|----------------|----------------|----------------|-----------|---------------|--------------|----------|
| Raw material | Lead dioxide   | Lead           | ABS (V-0 opt.) | AGM       | Sulfuric Acid | Rubber       | Copper   |

### Características de descarga de corriente constante a 25°C

(Ampere/battery)

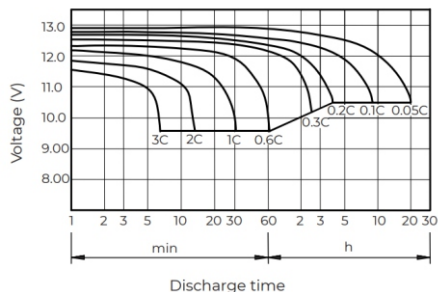
| F.V/Time | 5min | 10min | 15min | 30min | 60min | 2hr  | 3hr  | 4hr  | 5hr  | 10hr | 20hr |
|----------|------|-------|-------|-------|-------|------|------|------|------|------|------|
| 9.60V    | 27.5 | 17.4  | 13.6  | 7.67  | 4.72  | 2.58 | 1.78 | 1.48 | 1.26 | 0.68 | 0.37 |
| 9.90V    | 26.7 | 16.9  | 13.3  | 7.51  | 4.65  | 2.56 | 1.77 | 1.47 | 1.25 | 0.68 | 0.36 |
| 10.2V    | 25.6 | 16.2  | 12.8  | 7.28  | 4.53  | 2.54 | 1.76 | 1.46 | 1.24 | 0.68 | 0.36 |
| 10.5V    | 24.5 | 15.5  | 12.4  | 7.11  | 4.44  | 2.50 | 1.75 | 1.45 | 1.23 | 0.67 | 0.36 |
| 10.8V    | 23.1 | 14.6  | 11.7  | 6.85  | 4.30  | 2.44 | 1.70 | 1.40 | 1.19 | 0.66 | 0.35 |

### Características de descarga de potencia constante a 25°C

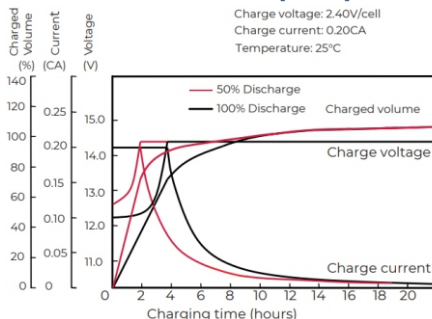
(Watts/battery)

| F.V/Time | 5min | 10min | 15min | 30min | 60min | 2hr  | 3hr  | 4hr  | 5hr  | 10hr | 20hr |
|----------|------|-------|-------|-------|-------|------|------|------|------|------|------|
| 9.60V    | 307  | 197   | 155   | 87.9  | 54.6  | 30.2 | 21.2 | 17.6 | 15.0 | 8.18 | 4.38 |
| 9.90V    | 298  | 191   | 151   | 86.1  | 53.8  | 30.0 | 21.1 | 17.5 | 14.9 | 8.15 | 4.37 |
| 10.2V    | 285  | 183   | 146   | 83.5  | 52.4  | 29.7 | 20.9 | 17.4 | 14.8 | 8.11 | 4.35 |
| 10.5V    | 273  | 175   | 141   | 81.5  | 51.4  | 29.3 | 20.8 | 17.2 | 14.7 | 8.06 | 4.32 |
| 10.8V    | 258  | 165   | 133   | 78.5  | 49.8  | 28.5 | 20.2 | 16.7 | 14.3 | 7.90 | 4.23 |

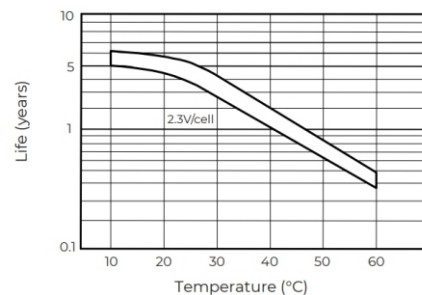
**CARACTERÍSTICAS DE DESCARGA (25°C)**



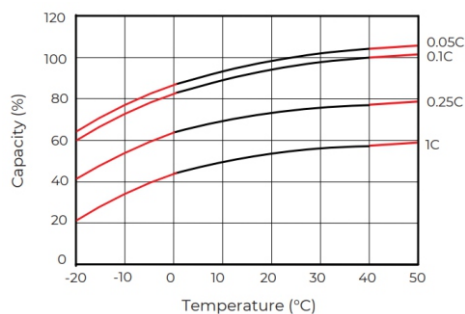
**CARACTERÍSTICAS DE CARGA (25°C)**



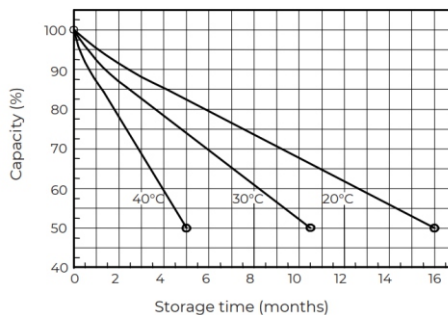
**FLOATING LIFE**



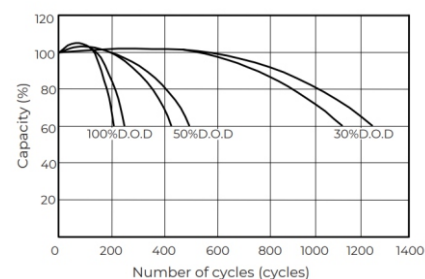
**EFFECTOS DE LA TEMPERATURA SOBRE LA CAPACIDAD**



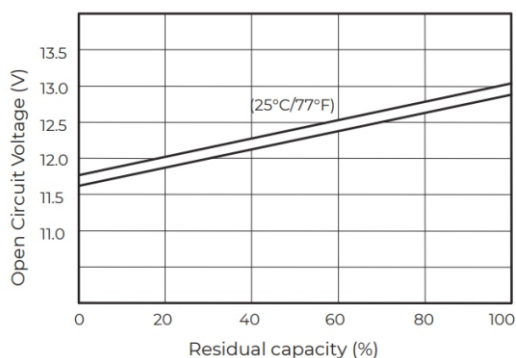
**CARACTERÍSTICAS DE AUTO DESCARGA**



**CICLO DE VIDA EN D.O.D (25°C)**



**RELACIÓN OCV - CAPACIDAD (25°C)**



**VOLTAGE DE CARGA VS TEMPERATURA**

