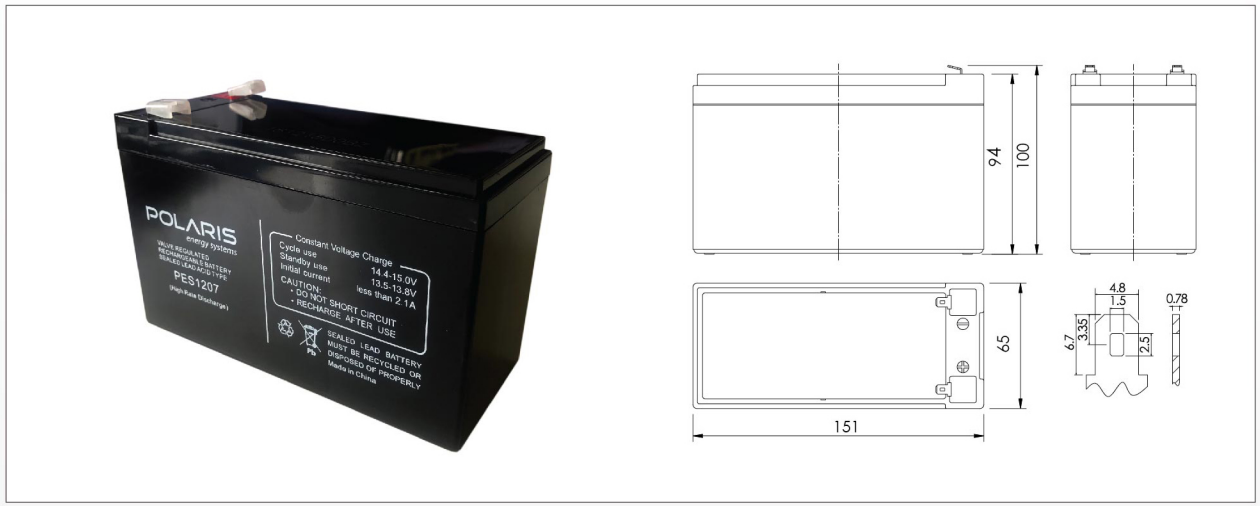
POLARIS energy systems

# UPS Polaris

## BAT-PES1207

Descripción:

- Batería p/ UPS reforzada 12V7AH 151x65x95.



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## ESPECIFICACIONES

| | | |
|---|---|---|
| Nominal V oltage | | 12V |
| Rated Capacity (20 hour rate) | | 7.0Ah |
| Dimensions | Total Height (with terminals) | 3.94 inches(100mm) |
| | Height | 3.70 inches(94mm) |
| | length | 5.94 inches(151mm) |
| | width | 2.56 inches(65mm) |
| W eight | | Approx.4.88 P ound(2.22kg) |

## CARACTERÍSTICAS

| | | | |
|---|---|---|---|
| Capacity 77 ☒ (25 ℃) | | 20 hour rate (0.35A) | 7.0 Ah |
| | | 10 hour rate ( 0.65A) | 6.5 Ah |
| | | 5 hour rate (1.12A) | 5.6 Ah |
| | | 1hour rate (4.20 A) | 4.2 Ah |
| | | 15Minute Rate (12.3 A) | 3.1 Ah |
| Internal R esistance | | Full charged Batte ry 77 ☒ (25 ℃) | 26 MΩ |
| Capacity affected by Temperature (20hour rate ) | | 104 ☒ (40 ℃) | 102% |
| | | 77 ☒ (25 ℃) | 100% |
| | | 32 ☒ (0 ℃) | 85% |
| | | 5☒ (-1 5 ℃) | 65% |
| Self-Discharge 77 ☒ (25 ℃) | | Capacity af ter 3 month storage | 91% |
| | | Capacity af ter 6 month storage | 81% |
| | | Capacity af ter 12 month storage | 60% |
| Max. Discharge Current 77 ☒ (25 ℃) | | 105A(5S) | |
| Terminal | | F1 \ F2 | |
| Charge (Constant V oltage) | Cycle | Initial Charging Current less than 2.1A | |
| | | V dtage 14.4~14.7 V / 77 ☒ (25 ℃) | |
| | Float | V dtage 13.5~13.8V / 77 ☒ (25 ℃) | |

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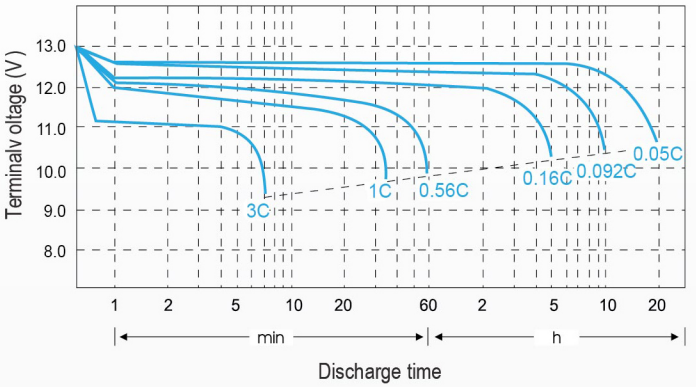
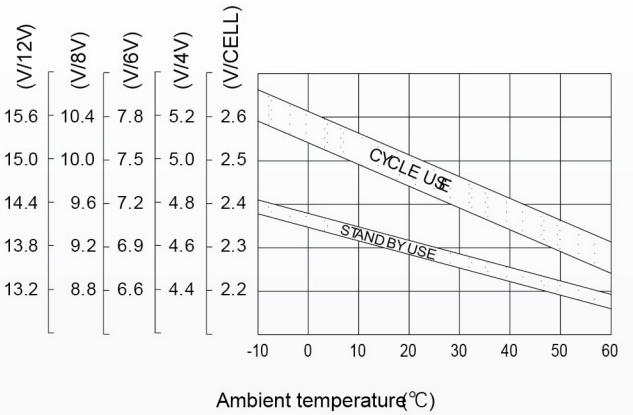
## CURVAS DE DESCARGA 77ºF (25ºC)




## RELACIÓN ENTRE VOLTAJE DE CARGA Y TEMPERATURA



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## BAT-PES1207

### DESCARGA DE CORRIENTE CONSTANTE (AMPERIOS @ 25ºC)

| F.V/T ime | 5Min | 10Min | 15Min | 30Min | 60Min | 2H | 3H | 4H | 5H | 10H | 20H |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.6 | 26.7 | 16.9 | 13.6 | 7.56 | 4.62 | 2.61 | 1.80 | 1.44 | 1.22 | 0.67 | 0.35 |
| 9.9 | 26.0 | 16.5 | 13.1 | 7.35 | 4.50 | 2.52 | 1.78 | 1.43 | 1.21 | 0.66 | 0.35 |
| 10.2 | 24.9 | 15.8 | 12.7 | 7.21 | 4.38 | 2.49 | 1.76 | 1.41 | 1.20 | 0.65 | 0.35 |
| 10.5 | 23.8 | 15.1 | 12.2 | 7.14 | 4.27 | 2.45 | 1.75 | 1.40 | 1.19 | 0.65 | 0.35 |
| 10.82 | 22.4 | 15.0 | 11.6 | 6.93 | 4.13 | 2.38 | 1.72 | 1.37 | 1.18 | 0.64 | 0.34 |

### DESCARGA DE ENERGÍA CONSTANTE (VATIOS POR CÉLULA A@ 25ºC)

| F.V/T ime | 5Min | 10Min | 15Min | 30Min | 60Min | 2H | 3H | 4H | 5H | 10H | 20H |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.6 | 297 | 190 | 154 | 86.2 | 53.3 | 30.5 | 21.4 | 17.2 | 14.5 | 7.95 | 4.26 |
| 9.9 | 290 | 185 | 149 | 84.2 | 52.0 | 29.5 | 21.2 | 17.0 | 14.5 | 7.89 | 4.24 |
| 10.2 | 277 | 177 | 144 | 82.6 | 50.6 | 29.1 | 21.0 | 16.9 | 14.4 | 7.83 | 4.23 |
| 10.5 | 266 | 171 | 139 | 81.9 | 49.5 | 28.8 | 20.9 | 16.7 | 14.2 | 7.83 | 4.21 |
| 10.82 | 250 | 169 | 132 | 79.6 | 47.9 | 28.0 | 20.6 | 16.3 | 14.1 | 7.66 | 4.14 |

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Agustin Álvarez 3555, Villa Martelli
Buenos Aires, CABA B1603APC
Argentina

info@upspolaris.com
(5411) 5235-UPSS (8777)

www.upspolaris.com