

General Features

- Positive and negative plates in lead-calcium tin alloy.
- Superior energy density
- Operates at a low internal pressure.
- Gas Recombination.
- Usable in any orientation.
- A recognized component of UL.
- Very high power output.
- Application specific designs.
- Six months shelf life at 20°C.
- Design life 5 years.

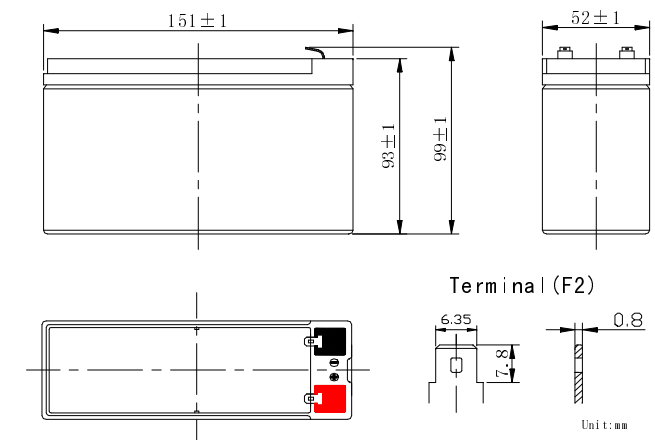


Dimensions

| | Length | Width | Height | Total Height | Approx.Weight |
|----------------------|----------|----------|----------|--------------|---------------|
| <i>SI Units</i> | 151mm | 52mm | 93mm | 99mm | 2.0Kg |
| <i>English Units</i> | 5.94inch | 2.05inch | 3.66inch | 3.90inch | 4.41lbs |

Performance Characteristics

- Nominal Voltage: 12V
- Number of cell: 6
- Nominal Capacity 77° F(25°C): 15 min Wattage @1.67V 26.5W/cell
- Nominal Capacity 77° F(25°C):20 hour rate (0.325A , 10.5V) 6.5Ah
- Internal Resistance: Fully Charged battery 68° F(20°C) 20mΩ
- Self-Discharge: 3% of capacity declined per month at 20°C
- Operating Temperature Range: Discharge -20~60°C Charge -10~60°C Storage -20~60°C
- Max. Discharge Current 68° F(20°C): 90A (5S)
- Short Circuit Current: 550A
- Charge Methods: Constant Voltage Charge 68° F(20°C)
 - Cycle use: 14.5 ~ 14.9V Maximum charging current 1.5A
 - Standby use: 13.6 ~13.8V





UNH12-26.5W

Rechargeable Products Sealed Lead Acid Battery

Discharge Data

Constant Current Discharge Data(Amperes at 25°C)

| End Voltage Per cell / V | 5min | 10min | 15min | 20min | 25min | 30min | 35min | 40min | 45min | 50min | 60min | 90min |
|--------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.60 | 30.1 | 20.3 | 15.6 | 12.3 | 10.3 | 8.95 | 7.90 | 7.12 | 6.51 | 5.93 | 5.06 | 3.85 |
| 1.67 | 28.5 | 19.2 | 14.8 | 11.7 | 9.75 | 8.49 | 7.51 | 6.77 | 6.19 | 5.65 | 4.82 | 3.68 |
| 1.70 | 26.9 | 18.1 | 14.0 | 11.0 | 9.22 | 8.03 | 7.11 | 6.41 | 5.88 | 5.36 | 4.59 | 3.52 |
| 1.75 | 25.1 | 17.0 | 13.2 | 10.4 | 8.69 | 7.57 | 6.71 | 6.06 | 5.56 | 5.08 | 4.35 | 3.45 |
| 1.80 | 24.5 | 16.4 | 12.7 | 10.1 | 8.44 | 7.37 | 6.54 | 5.91 | 5.43 | 4.96 | 4.26 | 3.30 |

Constant Power Discharge Data(Watts per cell at 25°C)

| End Voltage Per cell / V | 5min | 10min | 15min | 20min | 25min | 30min | 35min | 40min | 45min | 50min | 60min | 90min |
|--------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.60 | 54.2 | 36.8 | 27.0 | 22.1 | 18.9 | 16.2 | 14.1 | 12.9 | 11.7 | 10.7 | 9.19 | 6.82 |
| 1.67 | 51.8 | 36.0 | 26.5 | 21.5 | 18.5 | 15.8 | 13.8 | 12.6 | 11.3 | 10.4 | 8.93 | 6.74 |
| 1.70 | 49.6 | 35.1 | 26.2 | 20.9 | 17.6 | 15.4 | 13.4 | 12.2 | 11.0 | 10.2 | 8.67 | 6.63 |
| 1.75 | 47.3 | 34.2 | 25.8 | 20.5 | 17.2 | 15.1 | 13.1 | 11.7 | 10.7 | 9.69 | 8.42 | 6.52 |
| 1.80 | 44.9 | 32.7 | 24.7 | 19.6 | 16.6 | 13.9 | 12.9 | 11.4 | 10.3 | 9.51 | 8.16 | 6.35 |

