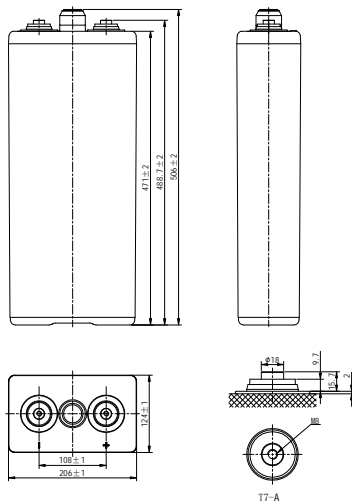


OPzV SERIES-TUBULAR GEL

5OPzV350 (2V350Ah)



CHARACTERISTICS

| Item | Specifications | |
|-------------------------------|--------------------------------|------------------------------|
| Rated Voltage | 2V | |
| Nominal Capacity (25°C) | C ₁₀ , 1.80V/cell | 350Ah |
| Dimension | Length | 124mm (4.88inches) |
| | Width | 206mm (8.11inches) |
| | Container Height | 471mm (18.5inches) |
| | Total Height | 506mm (19.9inches) |
| Approx Weight | 29.0kg (63.9lbs) | |
| Terminal | T7-A(M8) | |
| Container Material | ABS (UL94 HB or V-0 optional) | |
| Short-circuit current | 2625A | |
| Internal Resistance (25°C) | Approx 0.85 mΩ (Fully charged) | |
| Operating Temp. Range | Discharge | -20~55°C (-4~131°F) |
| | Charge | 0~40°C (32~104°F) |
| | Storage | -20~50°C (-4~122°F) |
| Nominal Operating Temp. Range | 25±3°C (77±5°F) | |
| Max.Charging Current (25°C) | 0.25C | |
| Charge voltage (25°C) | Standby Use | Cycle Use |
| | 2.23-2.27V/cell | 2.40-2.45V/cell |
| Temp. Coefficient | -3mV/cell/°C | |
| | 40°C (104°F) | 106% |
| Effect of temp. to Capacity | 25°C (77°F) | 100% |
| | 0°C (32°F) | 86% |
| | Self Discharge | ≤3% per month at 25°C (77°F) |

DISCHARGE TABLE

| Constant Current Discharge (Amperes) at 25°C (77°F) | | | | | | | | | | | |
|---|-------|-------|------|------|------|------|------|------|------|------|------|
| F.V/Time | 1h | 2h | 3h | 5h | 8h | 10h | 24h | 48h | 72h | 100h | 120h |
| 1.85V/cell | 156.4 | 105.8 | 81.2 | 55.5 | 38.9 | 32.8 | 15.6 | 8.14 | 5.86 | 4.44 | 3.83 |
| 1.80V/cell | 175.4 | 115.9 | 88.3 | 59.9 | 41.7 | 35.0 | 16.1 | 8.46 | 6.08 | 4.55 | 3.94 |
| 1.75V/cell | 182.3 | 119.9 | 90.3 | 61.1 | 42.4 | 35.6 | 16.2 | 8.65 | 6.23 | 4.64 | 4.00 |
| 1.70V/cell | 190.3 | 122.9 | 92.1 | 62.0 | 43.0 | 36.0 | 16.5 | 8.82 | 6.29 | 4.71 | 4.05 |
| 1.67V/cell | 195.3 | 124.9 | 93.8 | 63.0 | 43.5 | 36.3 | 16.6 | 8.91 | 6.34 | 4.79 | 4.10 |
| 1.60V/cell | 198.3 | 126.9 | 94.9 | 63.6 | 43.8 | 36.6 | 16.8 | 9.01 | 6.39 | 4.84 | 4.15 |

| Constant Power Discharge (Watts/cell) at 25°C (77°F) | | | | | | | | | | | |
|--|-------|-------|-------|-------|------|------|------|------|------|------|------|
| F.V/Time | 1h | 2h | 3h | 5h | 8h | 10h | 24h | 48h | 72h | 100h | 120h |
| 1.85V/cell | 301.9 | 205.5 | 158.4 | 109.1 | 77.2 | 65.2 | 31.1 | 16.3 | 11.8 | 8.92 | 7.71 |
| 1.80V/cell | 337.7 | 224.6 | 171.4 | 117.1 | 82.5 | 69.5 | 32.2 | 16.9 | 12.2 | 9.14 | 7.92 |
| 1.75V/cell | 348.7 | 229.7 | 174.4 | 119.1 | 83.7 | 70.5 | 32.3 | 17.3 | 12.5 | 9.31 | 8.03 |
| 1.70V/cell | 360.7 | 234.7 | 177.4 | 121.1 | 84.6 | 71.2 | 32.8 | 17.6 | 12.6 | 9.43 | 8.13 |
| 1.67V/cell | 367.6 | 238.8 | 180.4 | 122.1 | 85.4 | 71.8 | 33.1 | 17.8 | 12.7 | 9.59 | 8.22 |
| 1.60V/cell | 371.6 | 240.8 | 181.4 | 123.1 | 85.8 | 72.2 | 33.3 | 17.9 | 12.8 | 9.68 | 8.30 |

OPzV SERIES-TUBULAR GEL

5OPzV350 (2V350Ah)



APPLICATIONS

- Float charging applications: communication center, telecom basestation, UPS, power station, electric substation
- Solar and wind energy storage system
- Off-grid and bad-grid hybrid sites

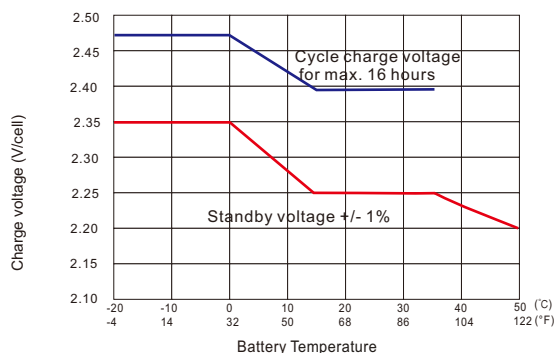
GENERAL FEATURES

- 20 year design life (20°C)
- Strong Lead-calcium alloy tubular plate technology - for longer life in the toughest conditions
- Gelled electrolyte for superior thermal management, long float life
- Proof against deep discharge - greater long-term energy delivery
- Exceptional cycling performance - 2500+ cycles at 60% Depth of Discharge

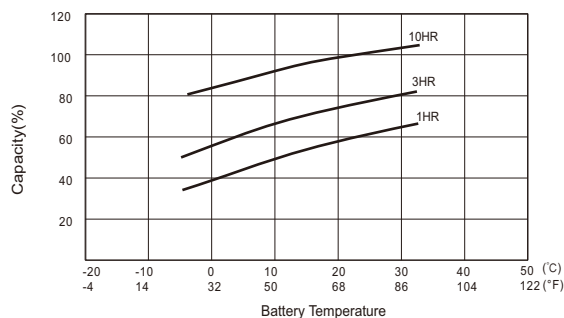
STANDARDS

- Compliance with IEC 60896, IEC 61427, DIN 40742 standards
- UL, CE Approved
- Manufactured in Leoch@IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

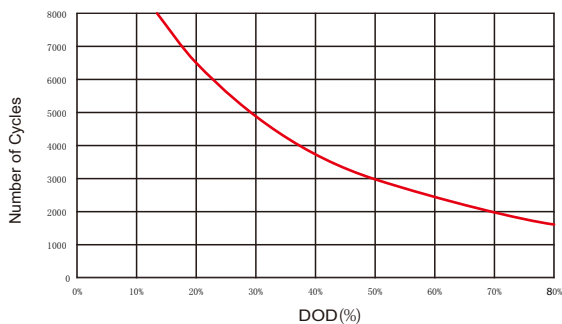
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

