

VRZ SERIES—Tubular Gel Batteries

VRZ-1500 (2V1500AH)



| Specifications | |
|-----------------------------|---|
| Nominal Voltage | 2V |
| Nominal Capacity | 1500Ah (8Hr to 1.75 V/cell @ 77°F) |
| Dimensions | Length 10.8 inches |
| | Width 8.27 inches |
| | Height (with Terminal) 32.7 inches |
| Weight | 253.6 lbs. |
| Container Material | ABS (V0 flame retardant case and cover optional) |
| Hardware / Torque Rating | M8 / 98–130 in. lbs. |
| Preferred Operating Temp. | 68–77 °F |
| Operating Temp Range | Discharge: –15~50°C (5~130°F) |
| | Charge: 0~40°C (32~104°F) |
| | Storage: –15~40°C (32~104°F) |
| Internal Resistance | Approx. 0.3mOhms |
| Max. Discharge Current | 12000 (5s) |
| Float Voltage | 2.25V at 77°F |
| Equalize Voltage | 2.35V at 77°F |
| Max. Charge Current Allowed | 300 Amps |
| Self Discharge | The VRZ series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter. |

Applications

- Telecommunications
- Utility
- Solar
- Oil and gas
- Railways



| Constant Current Discharge (Amperes) at 25°C (77°F) | | | | | | | | | |
|---|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| F.V/Time | 10 min | 15 min | 30 min | 1h | 2h | 3h | 5h | 8h | 10h |
| 1.85 V/cell | 902.3 | 879.6 | 804.4 | 686.0 | 449.1 | 349.2 | 240.0 | 168.9 | 144.2 |
| 1.80 V/cell | 1109.3 | 1065.0 | 937.3 | 772.5 | 493.4 | 380.1 | 259.6 | 180.3 | 154.5 |
| 1.75 V/cell | 1312.2 | 1191.7 | 999.1 | 804.4 | 506.8 | 388.3 | 264.7 | 183.3 | 156.6 |
| 1.70 V/cell | 1472.9 | 1300.9 | 1057.8 | 835.3 | 519.1 | 396.6 | 268.8 | 185.4 | 158.6 |
| 1.65 V/cell | 1581.1 | 1373.0 | 1100.0 | 859.0 | 530.5 | 403.8 | 273.0 | 188.5 | 160.7 |
| 1.60 V/cell | 1654.2 | 1422.4 | 1127.9 | 874.5 | 537.7 | 407.9 | 275.0 | 189.5 | 161.7 |

T11 Terminal

