

■ VRLA (Valve Regulated Lead Acid Battery) VGS 3000 (2V, 3000AH/10hr)

► Applications

- UPS System
- Communication Equipments
- URenewable Energy(Solar & Wind power)
- Medical Equipments
- Computer Back-up Power
- Security & Alarm Systems
- Power Plants
- Railroad Traffic Signals
- FA Systems

► Technical Features

Service Life

GLOBAL OPzV cells are designed for ≥ 20 years service life (at an ambient temperature of 20°C with 80% residual capacity) and affords high cyclic stability.

Installation

Use in vertical or horizontal position from 200 Ah up to 1500 Ah cells.

Safety

The battery is designed with a three-layer closed structure to eliminate electrolyte leakage. It also has an internal flameproof enclosure to prevent explosions due to temporary overcharging.

Deep Discharge Protection

GLOBAL OPzV batteries have excellent deep discharge recovery. The batteries can be recharged to 95% capacity in 12 hours, even following 30 days connected to a load in the discharged state.

Low Self-discharge

The rate of self-discharge by the OPzV batteries is extremely low by comparison to normal lead batteries.

Very low gassing due to the internal gas recombination

► Specifications

| | | |
|-----------------------------------|-------------------|-------------|
| Nominal Capacity (AH) | · 3000 | |
| Nominal Voltage (V) | · 2 | |
| Dimensions (L*W*H*TH) (mm) | · 212*576*772*812 | |
| Weight (kg) | · 240.0 | |
| Design life (at 20 °C) | · ≥ 20 years | |
| Internal Resistance (m Ω) | · 0.21 | |
| Self Discharge (at 20 °C) | · 2.0% / Month | |
| Operational Temperature range | Storage | · -15~40 °C |
| | Discharge | · -15~45 °C |
| | charge | · 0~40 °C |
| Charge voltage (at 25 °C) | · 2.22V | |



► Discharge Table in Amperes

| Final Voltage | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 8h | 10h | 100h |
|---------------|-------|-------|------|------|-----|-----|-----|-----|-----|------|
| 1.85V / Cell | 1232 | 1195 | 998 | 760 | 622 | 545 | 464 | 332 | 279 | 33.4 |
| 1.80V / Cell | 1628 | 1474 | 1204 | 895 | 718 | 619 | 519 | 360 | 306 | 36.0 |
| 1.67V / Cell | 2469 | 2104 | 1533 | 1062 | 799 | 661 | 552 | 374 | 315 | 36.8 |

