

■ VRLA (Valve Regulated Lead Acid Battery) VGS 2000 (2V, 2000AH/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)		· 2000
Nominal Voltage (V)		· 2
Dimensions (L*W*H*TH) (mm)		· 215*397*772*812
Weight (kg)		· 160.0
Design life (at 20°C)		· ≥ 20 years
Internal Resistance (mΩ)		· 0.24
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	821	796	666	507	415	362	311	222	186	22.3
1.80V / Cell	1085	983	803	597	479	413	346	240	204	24.0
1.67V / Cell	1530	1402	1022	655	533	441	368	263	216	24.4

