

■ VRLA (Valve Regulated Lead Acid Battery) ESG 900 (2V, 900AH/10hr)

► Applications

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

► Technical Features

- Excellent energy-saving capacity combined with high reliability
- Maintenance - Free (No topping up during whole service life)
- Leakproof (Adopted sealed structure)
- Safety Valve for increased reliability against gas generation
- Very low gassing due to the internal gas recombination
- Minimized Self-Discharge
- Excellent recovery following the deep discharge
- 10 years design life at 25 °C ambient temperature
- Self discharge rate: < 2.5% per month at 77°F (25 °C)
- Container & Cover : Acid-resistant ABS resin
Option : UL94-V0 = ABS
- Completely recyclable

※ The AGM battery does not require equalizing charge.

► Specifications

| | |
|-----------------------------------|-------------------|
| Nominal Capacity (AH) | • 900 |
| Nominal Voltage (V) | • 2 |
| Dimensions (L*W*H*TH) (mm) | • 471*171*325*362 |
| Weight (kg) | • 54.0 |
| Design life (at 25 °C) | • 10 years |
| Internal Resistance (mΩ) | • 0.39 |
| Self Discharge (at 25 °C) | • 2.5% / Month |
| Operating Temperature Range (°C) | • -15 ~ +50 |
| Charge voltage (at 25 °C) | • 2.22V |



► Discharge Table in Amperes

| Final Voltage | 10min | 15min | 20min | 30min | 40min | 50min | 1h | 2h | 3h | 5h | 8h | 10h |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1.8V / Cell | 1155 | 950 | 791 | 657 | 551 | 480 | 444.6 | 285.0 | 213.8 | 131.1 | 91.6 | 85.5 |
| 1.7V / Cell | 1425 | 1221 | 1055 | 846 | 657 | 570 | 518 | 295 | 214 | 131 | 94.4 | 92.9 |
| 1.6V / Cell | 1583 | 1378 | 1170 | 941 | 718 | 653 | 570 | 298 | 214 | 140 | 94.4 | 87.2 |

