

## ■ VRLA (Valve Regulated Lead Acid Battery) ESG 2400 (2V, 2400AH/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)             | • 2400            |
| Nominal Voltage (V)               | • 2               |
| Dimensions (L*W*H*TH) (mm)        | • 474*333*340*372 |
| Weight (kg)                       | • 136.0           |
| Design life (at 25 °C)            | • 10 years        |
| Internal Resistance (mΩ )         | • 0.32            |
| 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   | 3081  | 2533  | 2109  | 1753  | 1471  | 1280  | 1185.6 | 759.1 | 570.0 | 371.5 | 243.2 | 231.8 |
| 1.7V / Cell   | 3800  | 3257  | 2815  | 2257  | 1753  | 1520  | 1381   | 785   | 570   | 372   | 250.8 | 231.8 |
| 1.6V / Cell   | 4221  | 3677  | 3123  | 2303  | 1915  | 1739  | 1520   | 797   | 570   | 372   | 250.8 | 231.8 |

