

## ■ VRLA (Valve Regulated Lead Acid Battery) ESG 1600 (2V, 1600AH/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)	• 1600
Nominal Voltage (V)	• 2
Dimensions (L*W*H*TH) (mm)	• 474*333*340*372
Weight (kg)	• 96.0
Design life (at 25 °C)	• 10 years
Internal Resistance (mΩ )	• 0.4
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	2054	1689	1407	1169	980	853	791.4	506.4	380.0	233.7	162.5	152.0
1.7V / Cell	2533	2171	1876	1505	1169	1013	921	524	380	234	167.2	154.9
1.6V / Cell	2815	2451	2081	1535	1277	1160	1013	531	380	248	167.2	154.9

