

# ESG series

## ■ VRLA (Valve Regulated Lead Acid Battery) ESG 100 (2V, 100AH/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)	• 100
Nominal Voltage (V)	• 2
Dimensions (L*W*H*TH) (mm)	• 115*166*198*230
Weight (kg)	• 9.5
Design life (at 25 °C)	• 10 years
Internal Resistance (mΩ )	• 0.51
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	128	105	87	72	61	53	49.4	31.6	23.8	14.5	10.2	9.5
1.7V / Cell	159	136	117	94	72	57	57	33	24	14	10.5	9.7
1.6V / Cell	176	153	130	96	80	72	63	33	24	16	10.5	9.7

