

## ■ VRLA (Valve Regulated Lead Acid Battery) ES 100H (12V, 100AH/10hr)

### ► Applications

#### Cycle use

Various Portable Equipment / Medical Instruments /  
Cameras & Photographic / Equipment /  
Portable Digital Instruments / Personal Computers /  
Powered Toys / Lighting Equipment  
Renewable Energy System(Solar & Wind Power)

#### Standby use

Security Alarm Systems / Fire Alarm Systems /  
Computer Back-up / Emergency Lighting /  
UPS Systems / Communication Equipment

### ► Technical Features

- No-Spill Sealed Construction
- Absorbent Glass Mat System (AGM System)
- Container & Cover : Acid-resistant ABS resin  
Option : UL94-V0 = ABS
- Gas Recombination
- Maintenance-Free Operation
- Low Pressure Venting System
- Heavy-Duty Grids
- Low Self-Discharge / Long Shelf Life
- Wide Operating Temperature Range
- High Recovery Capacity
- Design life 8~10 years at 25°C

### ► Specifications

Nominal Capacity (AH)	· 100	
Nominal Voltage (V)	· 12	
Dimensions (L*W*H*TH) (mm)	· 332*174*229*29	
Weight (kg)	· 28.7	
ESH (Design life at 25 °C)	· 8~10 years	
Internal Resistance (mΩ )	· 5.2	
ESL Cycle Life (DOD100/50/30%)	· 400 / 950 / 1600 Cycle	
Self Discharge (at 25 °C)	· 2.5% / Month	
Operating Temperature Range ( °C)	· -15 ~ +50	
Charge voltage (at 25 °C)	Cyclic use (V)	· 14.40
	Standby use (V)	· 13.32



### ► Discharge Table in Amperes

Final Voltage	5min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.8V / Cell	237.5	134.0	91.3	66.6	54.3	32.8	23.5	15.4	10.4	10.0	5.1	1.1
1.7V / Cell	267	152	93.1	70.7	58.4	34.9	25.7	17.5	10.9	10.2	5.2	1.1
1.6V / Cell	311.6	165.3	95.0	72.7	61.8	36.0	26.9	17.7	12.1	10.4	5.3	1.2

