

## ■ VRLA (Valve Regulated Lead Acid Battery) ES(H,L) 40 (12V, 40AH/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)	· 40	
Nominal Voltage (V)	· 12	
Dimensions (L*W*H*TH) (mm)	· 197*165*170*170	
Weight (kg)	· 12.8	
ESH (Design life at 25 °C)	· 8~10 years	
Internal Resistance (mΩ )	· 10.5	
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	100	56.5	38.4	28.0	22.9	13.8	9.8	6.5	4.4	4.0	2.1	0.46
1.7V / Cell	113	63.9	39.7	29.6	23.5	14.6	10.0	6.8	4.5	4.1	2.2	0.48
1.6V / Cell	131	69.8	40.0	30.8	24.0	15.3	11.2	7.3	5.2	4.2	2.3	0.50

