

■ VRLA (Valve Regulated Lead Acid Battery) ES 80H (12V, 80AH/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)	· 80	
Nominal Voltage (V)	· 12	
Dimensions (L*W*H*TH) (mm)	· 332*174*229*229	
Weight (kg)	· 24.7	
ESH (Design life at 25 °C)	· 8~10 years	
Internal Resistance (mΩ)	· 5.7	
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	193	109	74.2	54.1	44.0	26.6	19.1	12.5	8.4	8.0	4.1	0.88
1.7V / Cell	217	124	76.8	57.4	47.3	28.3	20.0	13.6	8.9	8.1	4.2	0.89
1.6V / Cell	253	134	75.0	59.1	48.0	29.3	21.5	14.1	9.8	8.2	4.3	0.90

