

■ VRLA (Valve Regulated Lead Acid Battery) ESH 100 (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
- Absorptive 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)		・ 443*167*204*237
Weight (kg)		・ 32.0
ESH (Design life at 25 ℃)		・ 8~10 years
Internal Resistance (mΩ)		・ 5.0
ESL Cycle Life (DOD100/50/30%)		・ 400 / 950 / 1600 Cycle
Self Discharge (at 25 ℃)		・ 2.5% / Month
Operating Temperature Range (℃)		・ -15 ~ +50
Charge voltage (at 25 ℃)	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	250	141	96.1	70.1	57.2	34.5	24.7	16.2	10.9	10.0	5.4	1.15
1.7V / Cell	281	160	98.0	74.4	61.5	36.7	27.0	18.4	11.5	10.2	5.5	1.20
1.6V / Cell	328	174	100	76.5	65.0	37.9	28.3	18.6	12.7	10.4	5.6	1.25

