

Specifications

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|-----------------------|--------------|--------------|------------|
| Nominal Voltage (V) | | 12 | |
| Nominal Capacity (AH) | | 100 | |
| Dimensions | Length | 330 mm | 12.99 inch |
| | Width | 173 mm | 6.81 inch |
| | Height | 219 mm | 8.62 inch |
| | Total Height | 240 mm | 9.45 inch |
| Approx. Weight | | 30.8 kgs | 67.9 lbs |
| Standard Terminals | | L14 | |
| Case Material | | ABS UL 94-HB | |

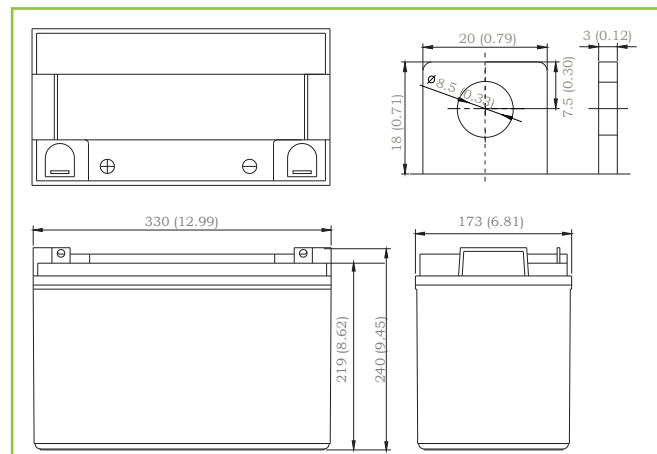
Characteristics

| | | | |
|------------------------------------|---------------------|----------------------------|-----------|
| Capacity | 20 hour rate | 5.00 A | 100.00 Ah |
| | 10 hour rate | 9.60 A | 96.00 Ah |
| | 5 hour rate | 16.50 A | 82.50 Ah |
| | 1 hour rate | 61.8 A | 61.80 Ah |
| | 15 Min Rate | 175.0 A | 43.75 Ah |
| Internal Resistance | | 4.5 mΩ | |
| Max. Discharge Current (5 sec) | | 800 A | |
| Constant Voltage Charge Method | Max. Charge Current | 30 A | |
| | Standby Use | 2.25 - 2.30 V /Cell | |
| | Cycle Use | 2.40 - 2.50 V /Cell | |
| Operating Temperature Range | Discharge: | -15 ~ 50 °C (5 ~ 122 °F) | |
| | Charge: | -15 ~ 40 °C (5 ~ 104 °F) | |
| | Storage: | -15 ~ 40 °C (5 ~ 104 °F) | |
| Temperature coefficient | For standby use: | -3.3mV / °C /Cell | |
| | For cycle use: | -5.0mV / °C /Cell | |
| Self discharge 25°C (77°F) | After 3-month | 91% | |
| | After 6-month | 82% | |
| | After 12-month | 64% | |
| Temperature dependency of Capacity | 40 °C (104 °F) | 102% | |
| | 25 °C (77 °F) | 100% | |
| | 0 °C (32 °F) | 85% | |
| | -15 °C (5 °F) | 65% | |

Discharge Voltage vs Discharge Current

| | | | | |
|-----------------------|----------|---------------|---------------|----------|
| Final Voltage V/Cell | 1.75 | 1.70 | 1.60 | 1.30 |
| Discharge Current (A) | 0.2C>(A) | 0.2C<(A)<0.5C | 0.5C<(A)<1.0C | (A)>1.0C |

Dimensions



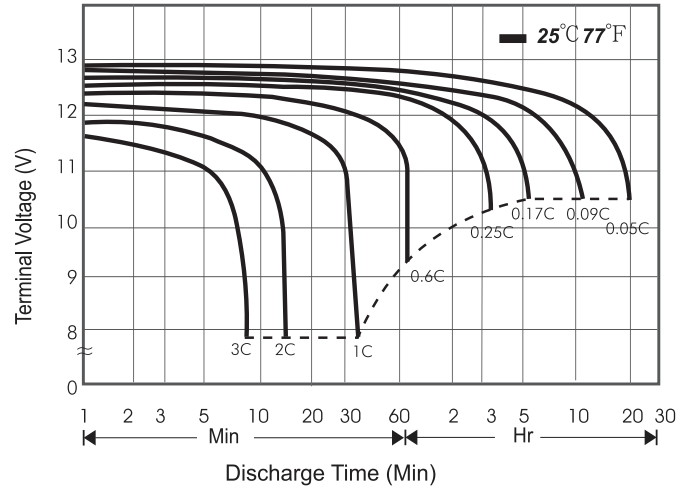
LVL 100-12

LVL 100-12 VRLA (valve-regulated lead acid) battery is designed for general purpose application with 10 years standby life at 25°C. This battery is rechargeable, highly-efficient, leak-proof and maintenance-free.

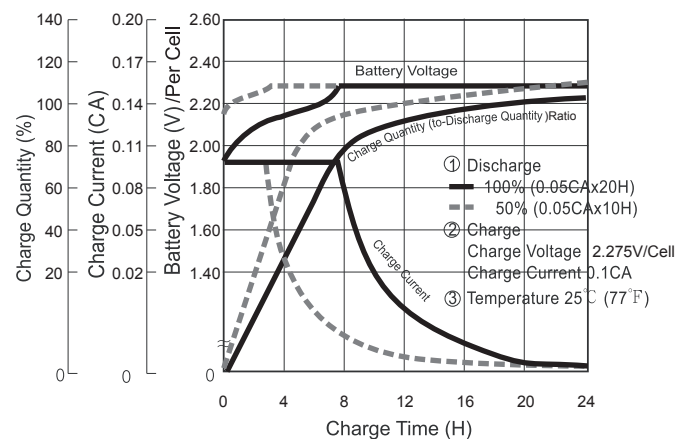
LivEn is ISO9001 and UL certified for quality assurance.



Terminal Voltage (V) and Discharge Time



Battery Voltage and Charge Time for Standby Use



Cycle Service Life

