

Specifications

| | | | |
|-------------------------------------|--------------|------------------------------------|------|
| Nominal Voltage (V) | | 12 | |
| Nominal Capacity (AH) | | 7.2 | |
| Dimensions | Length | 151 mm | 5.94 |
| | Width | 65 mm | 2.56 |
| | Height | 94 mm | 3.70 |
| | Total Height | 98 mm | 3.86 |
| Approx. Weight | | 2.25 kgs | 4.96 |
| Standard Terminals Case Material | | Faston Tab 250/187 ABS UL 94-HB | |

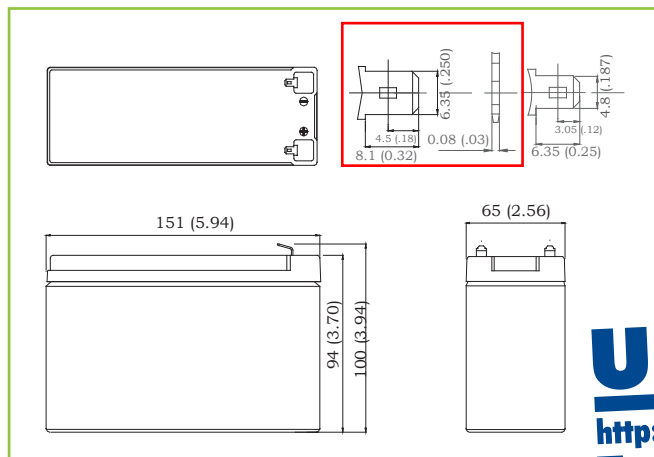
Characteristics

| | | | |
|------------------------------------|---------------------|----------------------------|---------|
| Capacity | 20 hour rate | 0.36 A | 7.20 Ah |
| | 10 hour rate | 0.70 A | 7.00 Ah |
| | 5 hour rate | 1.23 A | 6.15 Ah |
| | 1 hour rate | 4.94 A | 4.94 Ah |
| | 15 Min Rate | 14.1 A | 3.54 Ah |
| Internal Resistance | | 25 mΩ | |
| Max. Discharge Current (5 sec) | | 75 A | |
| Constant Voltage Charge Method | Max. Charge Current | 2.16 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



LV 7.2-12

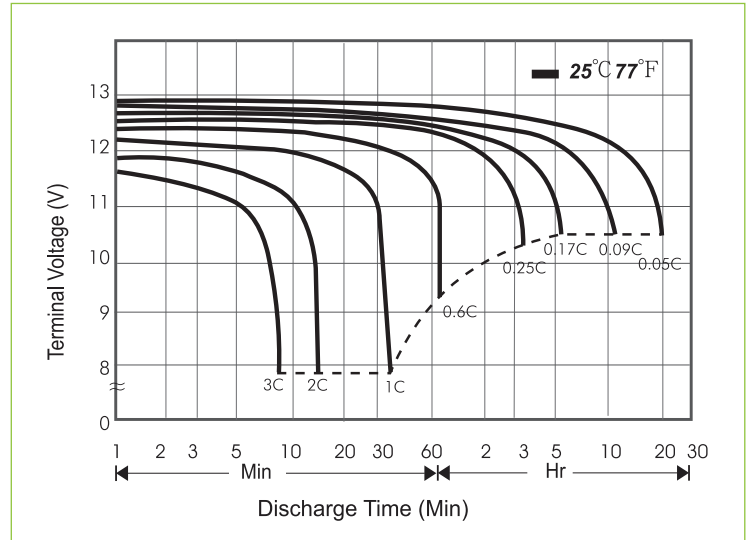


LV 7.2-12 VRLA (valve-regulated lead acid) battery is designed for general purpose application with 5 years standby life at 25°C. This battery is rechargeable, highly-efficient, leak-proof and maintenance-free.

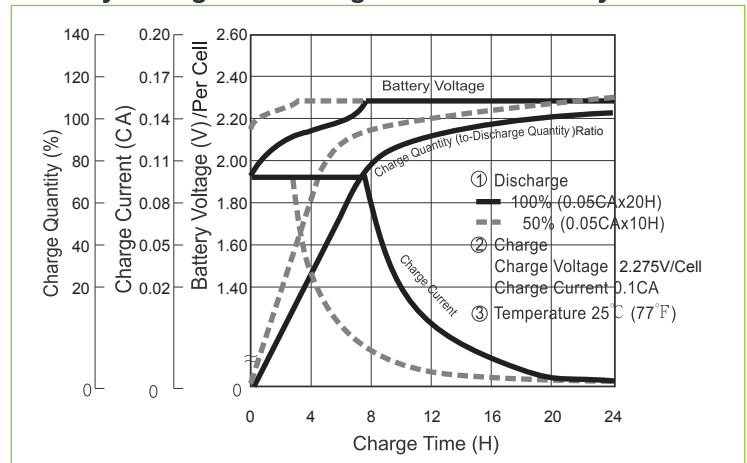
LivEn is ISO9001 and UL certified for quality assurance.



Terminal Voltage (V) and Discharge Time



Battery Voltage and Charge Time for Standby Use



Constant Current Discharge Characteristics Unit:A (25°C, 77°F)

| VpcEnd | 5MIN | 10MIN | 15MIN | 20MIN | 30MIN | 60MIN | 2HR | 3HR | 4HR | 5HR | 6HR | 10HR | 20HR |
|--------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60 | 28.4 | 19.0 | 14.6 | 10.6 | 8.44 | 5.00 | 2.60 | 1.84 | 1.51 | 1.25 | 0.83 | 0.72 | 0.40 |
| 1.65 | 27.4 | 18.3 | 14.1 | 10.2 | 8.32 | 4.97 | 2.58 | 1.84 | 1.50 | 1.24 | 0.83 | 0.71 | 0.39 |
| 1.70 | 25.9 | 17.7 | 13.8 | 9.86 | 8.25 | 4.94 | 2.57 | 1.83 | 1.50 | 1.23 | 0.82 | 0.70 | 0.38 |
| 1.75 | 23.4 | 16.6 | 13.1 | 9.35 | 8.06 | 4.87 | 2.55 | 1.82 | 1.49 | 1.23 | 0.81 | 0.70 | 0.36 |
| 1.80 | 20.9 | 15.4 | 12.4 | 8.87 | 7.87 | 4.79 | 2.50 | 1.81 | 1.48 | 1.22 | 0.79 | 0.68 | 0.35 |
| 1.85 | 18.4 | 14.3 | 11.7 | 7.94 | 7.67 | 4.72 | 2.47 | 1.79 | 1.47 | 1.21 | 0.77 | 0.68 | 0.35 |

Constant Power Discharge Characteristics Unit:W (25°C, 77°F)

| VpcEnd | 5MIN | 10MIN | 15MIN | 20MIN | 30MIN | 60MIN | 2HR | 3HR | 4HR | 5HR | 6HR | 10HR | 20HR |
|--------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60 | 311 | 202 | 164 | 118 | 101 | 59.9 | 31.2 | 22.1 | 18.1 | 17.7 | 10.9 | 10.0 | 4.75 |
| 1.65 | 303 | 202 | 162 | 116 | 99.7 | 59.7 | 31.0 | 22.0 | 18.0 | 17.5 | 10.9 | 9.92 | 4.58 |
| 1.70 | 297 | 196 | 158 | 113 | 99.1 | 59.6 | 30.9 | 22.0 | 18.0 | 17.5 | 10.8 | 9.91 | 4.49 |
| 1.75 | 288 | 188 | 150 | 110 | 96.7 | 58.6 | 30.5 | 21.9 | 17.9 | 17.4 | 10.6 | 9.87 | 4.32 |
| 1.80 | 270 | 176 | 142 | 107 | 94.4 | 57.6 | 30.1 | 21.7 | 17.8 | 17.4 | 10.4 | 9.83 | 4.19 |
| 1.85 | 248 | 164 | 133 | 104 | 92.1 | 56.6 | 29.6 | 21.5 | 17.6 | 17.4 | 10.1 | 9.81 | 4.06 |

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