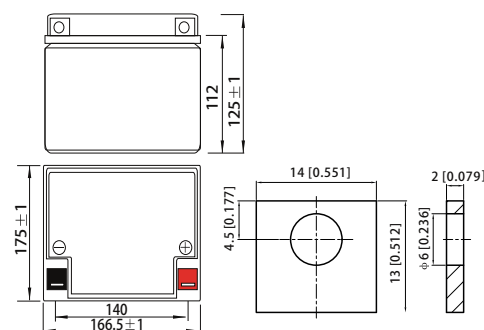


#### Specification

|                                  |                                                                                                                     |                             |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Nomial Voltage                   | 12V                                                                                                                 |                             |
| Nomial Capacity(10hrs rate)      | 30.0AH                                                                                                              |                             |
| Dimension                        | Length                                                                                                              | 166.5 ±1mm(6.56 inches)     |
|                                  | Width                                                                                                               | 175± 1mm(6.89 inches)       |
|                                  | Container Height                                                                                                    | 125± 1mm(4.92 inches)       |
|                                  | Total Height (with Terminal)                                                                                        | 125± 1mm(4.92 inches)       |
| Approx Weight                    | Approx 8.8 Kg (19.4 lbs)                                                                                            |                             |
| Design Float Life                | 12 years at 25°C(77°F)                                                                                              |                             |
| Container Material               | ABS                                                                                                                 |                             |
| Rated Capacity                   | 30AH/1.5A                                                                                                           | (20hr,1.80V/cell,25°C/77°F) |
|                                  | 27.9AH/2.79A                                                                                                        | (10hr,1.80V/cell,25°C/77°F) |
|                                  | 25.5AH/5.10A                                                                                                        | ( 5hr,1.75V/cell,25°C/77°F) |
|                                  | 22.9AH/7.65A                                                                                                        | ( 3hr,1.75V/cell,25°C/77°F) |
|                                  | 18.8AH/18.84A                                                                                                       | ( 1hr,1.60V/cell,25°C/77°F) |
| Max. Discharge Current           | 450A (5s)                                                                                                           |                             |
| Internal Resistance              | Approx 13mΩ                                                                                                         |                             |
| Operating Temp.Range             | Discharge :                                                                                                         | -15~50°C (5~120°F)          |
|                                  | Charge :                                                                                                            | 0~40°C (5~104°F)            |
|                                  | Storage :                                                                                                           | -15~40°C (5~104°F)          |
| Nominal Operating Temp. Range    | 25 ±3°C (77 ±5°F )                                                                                                  |                             |
| Cycle Use                        | Initial Charging Current less than 9.0A.Voltage<br>14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C              |                             |
| Standby Use                      | No limit on Initial Charging Current Voltage<br>13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C                 |                             |
| Capacity affected by Temperature | 40°C (104°F)                                                                                                        | 103%                        |
|                                  | 25°C ( 77°F)                                                                                                        | 100%                        |
|                                  | 0°C ( 32°F)                                                                                                         | 86%                         |
| Self Discharge                   | ≤1.5% per month                                                                                                     |                             |
|                                  | RUZET LPA series batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. |                             |



■ Terminal  
Unit: mm [inches]



#### Applications

- UPS and EPS
- Emergency light
- Railway signal and aircraft signal system
- Marine and power stations
- Alarm and security system
- Electronic apparatus and equipment
- Communication power supply, DC power supply

#### Constant Current Discharge (Amperes) at 25°C (77°F)

| F.V/Time   | 5min  | 10min | 15min | 20min | 30min | 45min | 1h   | 2h   | 3h   | 4h   | 5h   | 6h   | 8h   | 10h  | 20h  |
|------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 57.1  | 43.9  | 36.3  | 31.4  | 24.3  | 17.90 | 15.1 | 8.92 | 6.98 | 5.68 | 4.63 | 4.02 | 3.24 | 2.71 | 1.49 |
| 1.80V/cell | 76.7  | 56.1  | 43.9  | 37.1  | 28.7  | 20.8  | 16.9 | 9.74 | 7.51 | 6.06 | 4.97 | 4.31 | 3.44 | 2.79 | 1.50 |
| 1.75V/cell | 86.5  | 61.6  | 48.0  | 40.0  | 29.8  | 21.6  | 17.7 | 10.1 | 7.65 | 6.20 | 5.10 | 4.43 | 3.50 | 2.87 | 1.52 |
| 1.70V/cell | 95.2  | 67.1  | 51.2  | 42.0  | 31.0  | 22.5  | 18.2 | 10.4 | 7.86 | 6.36 | 5.23 | 4.52 | 3.54 | 2.92 | 1.54 |
| 1.65V/cell | 105.0 | 72.5  | 54.4  | 44.6  | 32.7  | 23.0  | 18.7 | 10.5 | 8.20 | 6.58 | 5.37 | 4.62 | 3.60 | 2.98 | 1.56 |
| 1.60V/cell | 115.8 | 78.7  | 58.2  | 47.5  | 34.5  | 24.0  | 18.8 | 11.0 | 8.45 | 6.79 | 5.55 | 4.72 | 3.63 | 3.02 | 1.57 |

#### Constant Power Discharge (Watts) at 25°C (77°F)

| F.V/Time   | 5min  | 10min | 15min | 20min | 30min | 45min | 1h   | 2h   | 3h   | 4h   | 5h   | 6h   | 8h   | 10h  | 20h  |
|------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 104.5 | 81.0  | 67.8  | 59.2  | 46.3  | 34.4  | 29.1 | 17.3 | 13.6 | 11.1 | 9.08 | 7.90 | 6.39 | 5.36 | 2.94 |
| 1.80V/cell | 138.7 | 102.3 | 80.8  | 69.0  | 53.8  | 39.7  | 32.4 | 18.8 | 14.6 | 11.8 | 9.69 | 8.44 | 6.76 | 5.51 | 2.97 |
| 1.75V/cell | 153.1 | 110.6 | 87.2  | 73.5  | 55.4  | 40.8  | 33.8 | 19.4 | 14.8 | 12.0 | 9.92 | 8.64 | 6.86 | 5.65 | 2.99 |
| 1.70V/cell | 163.9 | 117.9 | 91.8  | 76.7  | 57.3  | 42.3  | 34.7 | 19.8 | 15.2 | 12.3 | 10.2 | 8.81 | 6.95 | 5.76 | 3.04 |
| 1.65V/cell | 178.2 | 126.0 | 96.9  | 80.8  | 60.0  | 42.9  | 35.3 | 20.0 | 15.7 | 12.7 | 10.4 | 8.97 | 7.05 | 5.87 | 3.08 |
| 1.60V/cell | 192.0 | 133.7 | 101.9 | 85.2  | 62.9  | 44.5  | 35.4 | 20.8 | 16.1 | 13.0 | 10.7 | 9.13 | 7.10 | 5.93 | 3.10 |