

Powered by



CB14-6 ▶ 6V14Ah

CB14-6 is a general purpose battery up to 5 years in standby service or more than 260 cycles at 100% discharge in cycle service. As with all HENGLI batteries, all are rechargeable, highly efficient, leak proof and maintenance free.



► Specification

| | |
|--|--|
| Cells Per Unit | 3 |
| Voltage Per Unit | 6 |
| Capacity | 14Ah @ 20hr-rate to 1.8V per cell @25°C (77°F) |
| Weight | Approx. 2.25 kg(4.95 lbs) |
| Maximum Discharge Current | 150A(5sec) |
| Internal Resistance | Approx. 11 mΩ |
| Operating Temperature Range | Discharge: -15°C~50°C (5°F~122°F) Charge: -15°C~40°C (5°F~104°F) Storage: -15°C~40°C (5°F~104°F) |
| Nominal Operating Temperature Range | 25°C±3°C (77°F±5°F) |
| Float Charging Voltage | 6.75 to 6.9 VDC/unit Average at 25°C (77°F) |
| Recommended Maximum Charging Current Limit | 4.2A |
| Equalization and Cycle Service | 7.2 to 7.5 VDC/unit Average at 25°C (77°F) |
| Self Discharge | HENGLI Batteries can be stored for more than 6 months at 25°C (77°F). Please charge batteries before using. For higher temperatures the time interval will be shorter. |
| Terminal | +F2-Faston Tab250/-F1-Faston Tab187 |
| Container Material | ABS(UL 94-HB) & Flammability resistance of (UL 94-V0) can be available upon request. |



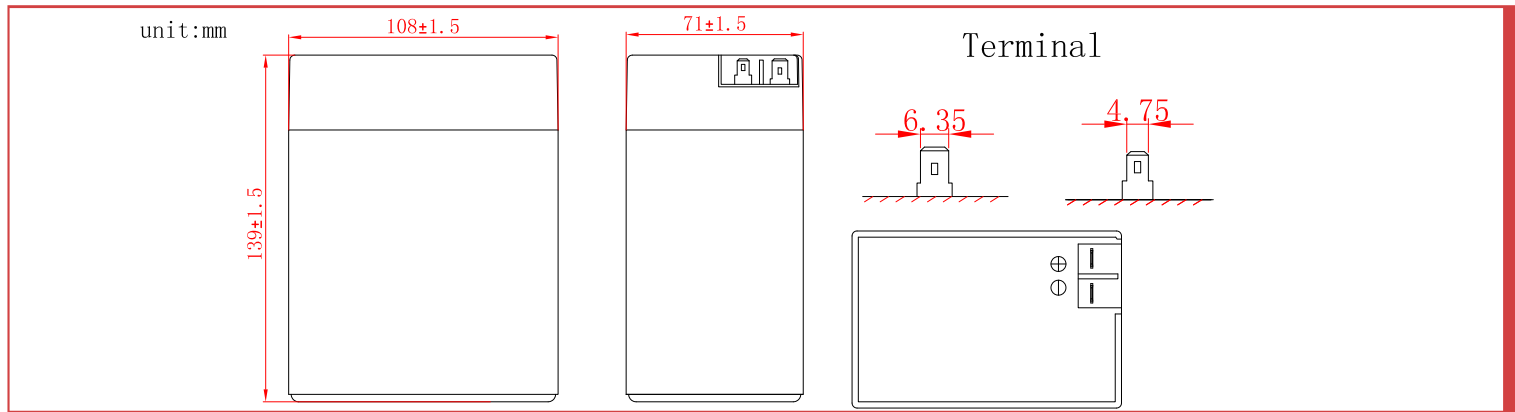
IT1720HL22031803

VRLA batteries are certified by ISO 9001, ISO14001 and OHSAS18001.

► Dimensions :

Unit: mm

| Overall Height(H) | Container height (h) | Length (L) | Width (W) |
|-------------------|----------------------|------------|-----------|
| 139±1.5 | 139±1.5 | 108±1.5 | 71±1.5 |



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

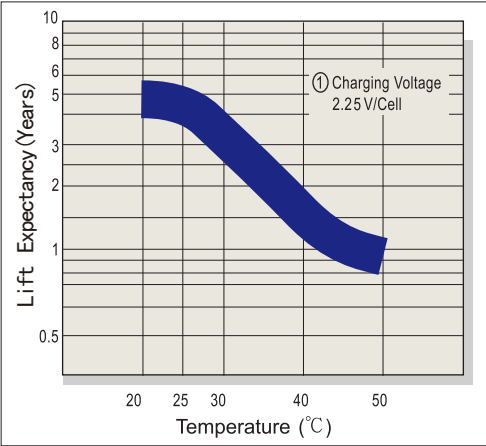
| F.V/Time | 5min | 15min | 30min | 1h | 3h | 5h | 10h | 20h |
|----------|------|-------|-------|------|------|------|-------|-------|
| 1.60V | 47.1 | 26.4 | 15.18 | 8.40 | 3.68 | 2.42 | 1.361 | 0.730 |
| 1.67V | 46.2 | 26.0 | 15.09 | 8.32 | 3.66 | 2.40 | 1.357 | 0.727 |
| 1.7V | 44.8 | 25.2 | 14.90 | 8.20 | 3.63 | 2.38 | 1.351 | 0.723 |
| 1.75V | 42.5 | 24.1 | 14.57 | 7.99 | 3.58 | 2.33 | 1.337 | 0.716 |
| 1.8V | 38.1 | 22.2 | 13.97 | 7.60 | 3.42 | 2.26 | 1.299 | 0.700 |
| 1.85V | 29.6 | 18.7 | 12.92 | 6.97 | 3.13 | 2.11 | 1.232 | 0.673 |

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

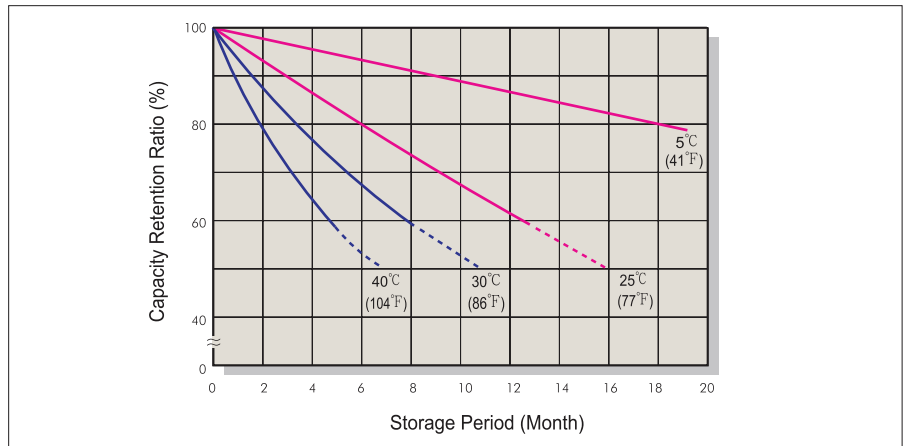
| F.V/Time | 5min | 15min | 30min | 1h | 3h | 5h | 10h | 20h |
|----------|------|-------|-------|-------|------|------|------|-------|
| 1.60V | 79.7 | 50.8 | 29.34 | 15.96 | 7.27 | 4.71 | 2.68 | 1.448 |
| 1.67V | 76.0 | 48.1 | 29.18 | 15.83 | 7.22 | 4.69 | 2.66 | 1.445 |
| 1.7V | 71.0 | 45.0 | 28.92 | 15.65 | 7.14 | 4.66 | 2.63 | 1.438 |
| 1.75V | 64.2 | 41.2 | 28.35 | 15.37 | 7.04 | 4.59 | 2.60 | 1.422 |
| 1.8V | 55.0 | 36.4 | 27.20 | 14.86 | 6.74 | 4.45 | 2.54 | 1.391 |
| 1.85V | 42.8 | 30.6 | 25.16 | 13.84 | 6.23 | 4.19 | 2.44 | 1.342 |

Ratings presented herein are subject to revision without notice. Please refer to www.baacebattery.com and www.hengli.cn to confirm the latest version.

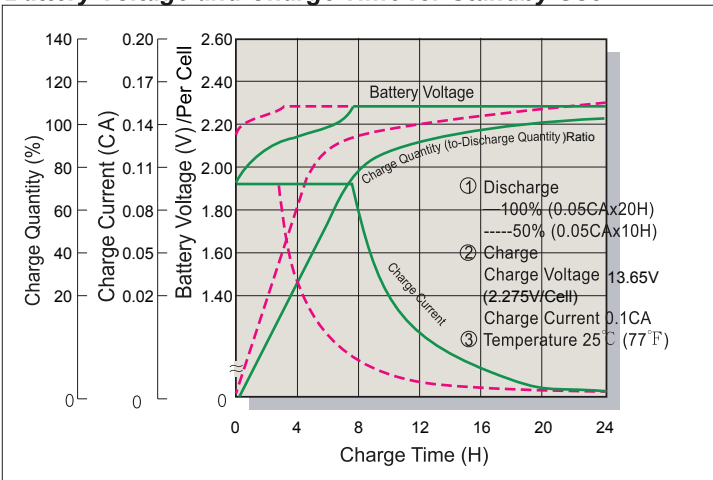
Trickle(or Float)Design Life



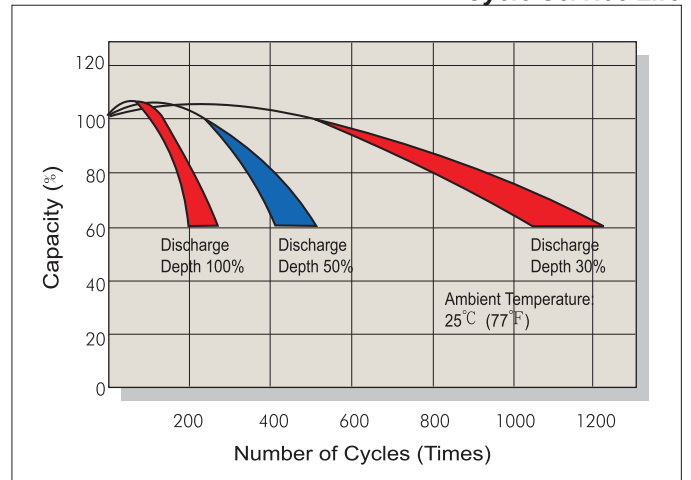
Capacity Retention Characteristic



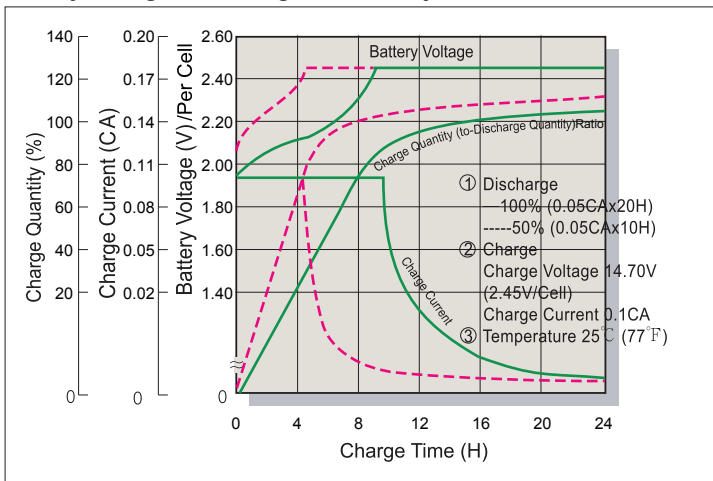
Battery Voltage and Charge Time for Standby Use



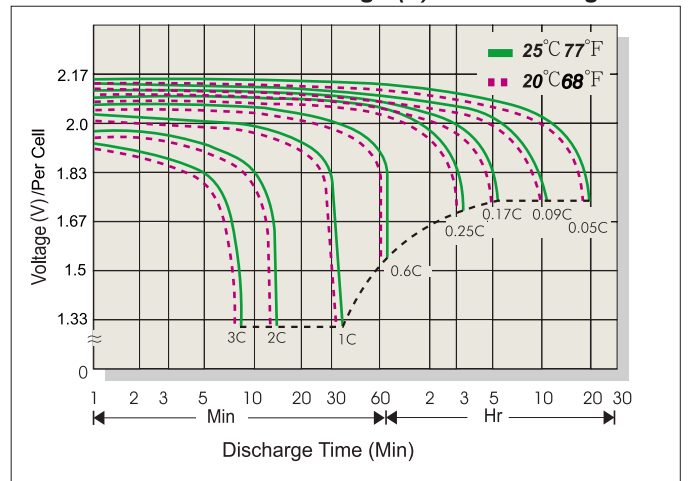
Cycle Service Life



Battery Voltage and Charge Time for Cycle Use



Terminal Voltage (V) and Discharge Time



Charging Procedures

| Application | Charge Voltage(V/Cell) | | | Max.Charge Current |
|-------------|------------------------|-----------|-----------------|--------------------|
| | Temperature | Set Point | Allowable Range | |
| Cycle Use | 25°C (77°F) | 2.45 | 2.40~2.50 | 0.3C |
| Standby | 25°C (77°F) | 2.275 | 2.25~2.30 | |

Discharge Current VS. Discharge Voltage

| Final Discharge Voltage V/Cell | 1.75 | 1.70 | 1.65 | 1.60 |
|--------------------------------|----------|---------------|---------------|----------|
| Discharge Current(A) | 0.2C>(A) | 0.2C<(A)<0.5C | 0.5C<(A)<1.0C | (A)>1.0C |

Effect of temperature on capacity (20HR)

| Temperature | Dependency of Capacity (20HR) |
|-------------|-------------------------------|
| 40 °C | 102% |
| 25 °C | 100% |
| 0 °C | 85% |
| -15 °C | 65% |

Self-discharge Characteristics

| Storage time | Preservation rate |
|--------------|-------------------|
| 3 Months | 91% |
| 6 Months | 82% |
| 12 Months | 64% |