

CZV1200-2

2V 1200AH

OPzV



CZV1200-2



Physical Specification

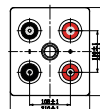
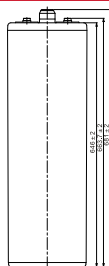
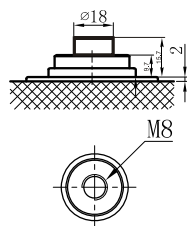
| | |
|------------------------------|------------|
| Part Number | CZV1200-2 |
| Length | 275 ± 2 mm |
| Width | 210 ± 2 mm |
| Container Height | 646 ± 2 mm |
| Total Height (with terminal) | 681 ± 2 mm |
| Approx Weight | 93.0 kg |

Specifications

| | | |
|-------------------------------------|---|--|
| | Nominal Voltage | 2V |
| | Nominal Capacity (20HR) | 1200AH |
| Terminal Type | Standard Terminal | T11 |
| Container Material | Standard Option | ABS |
| | Flame Retardant Option (FR) | ABS (UL94:VO) |
| | 10hr, 1.80V/cell, 25°C | 1200 AH/120.0A |
| | 5hr, 1.75V/cell, 25°C | 1035 A H/207A |
| | 3hr, 1.75V/cell, 25°C | 915 AH/305A |
| | 1hr, 1.60V/cell, 25°C | 681 AH/681A |
| Max Discharge Current | 9600A (5s) | |
| Internal Resistance | Approx 0.45mΩ | |
| Discharge Characteristics | Operating Temp. Range | Discharge: -20 ~ 55°C |
| | | Charge: 0 ~ 40°C |
| | | Storage: -20 ~ 50°C |
| | Cycle Use | Initial Charging Current less than 240.0A. Voltage 2.40V ~ 2.50V Temp. Coefficient -5mV/°C |
| | Standby Use | No limit on Initial Charging Current Voltage 2.25V ~ 2.30V Temp. Coefficient -3mV/°C |
| Capacity affect by Temperature | 40°C | 103% |
| | 25°C | 100% |
| | 0°C | 86% |
| Design Floating Life at 20°C | 20 Years | |
| Self Discharge | Canbat batteries may be stored for up to 6 months at 25°C(77°F) and then a refresh charge is required. For higher temperatures the time interval will be shorter. | |

Dimensions

T11 Terminal



ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE

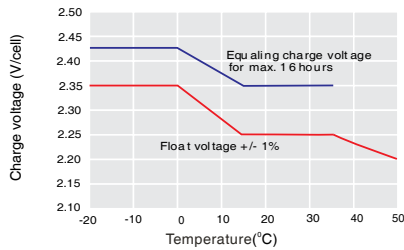
Constant Current Discharge (Amperes) at 20°C

| F.V/Time | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
|------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|
| 1.85V/cell | 818 | 777 | 670 | 535 | 354 | 274 | 188 | 132 | 112 |
| 1.80V/cell | 1006 | 941 | 780 | 602 | 389 | 298 | 203 | 141 | 120 |
| 1.75V/cell | 1190 | 1053 | 832 | 626 | 400 | 305 | 207 | 143 | 122 |
| 1.70V/cell | 1336 | 1149 | 880 | 651 | 410 | 311 | 210 | 145 | 123 |
| 1.65V/cell | 1435 | 1213 | 915 | 669 | 419 | 317 | 214 | 147 | 125 |
| 1.60V/cell | 1501 | 1256 | 939 | 681 | 424 | 321 | 216 | 148 | 125 |

Constant Power Discharge (Watts) at 20°C

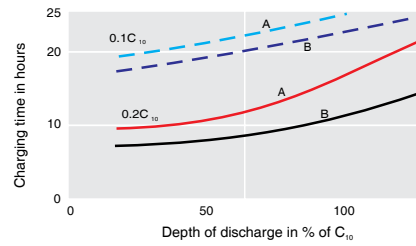
| F.V/Time | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
|------------|-------|-------|-------|------|-----|-----|-----|-----|-----|
| 1.85V/cell | 1522 | 1460 | 1279 | 1034 | 689 | 535 | 370 | 261 | 224 |
| 1.80V/cell | 1839 | 1743 | 1476 | 1157 | 753 | 580 | 398 | 279 | 238 |
| 1.75V/cell | 2138 | 1923 | 1557 | 1196 | 769 | 591 | 404 | 283 | 242 |
| 1.70V/cell | 2357 | 2069 | 1632 | 1234 | 785 | 600 | 409 | 286 | 244 |
| 1.65V/cell | 2486 | 2152 | 1680 | 1261 | 798 | 608 | 414 | 289 | 246 |
| 1.60V/cell | 2551 | 2196 | 1705 | 1275 | 804 | 613 | 417 | 290 | 248 |

Discharge Characteristics



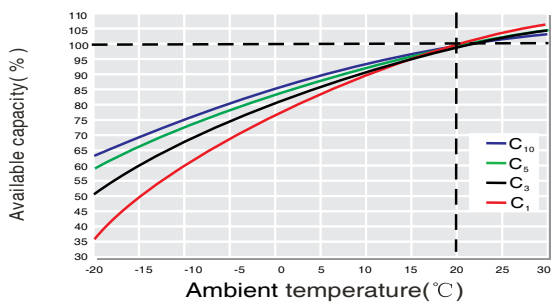
For continuous charging we recommend a voltage of 2.25 V. The charging voltage must be compensated to the curve for continuously different battery ambient temperature.

Float Charging Characteristics

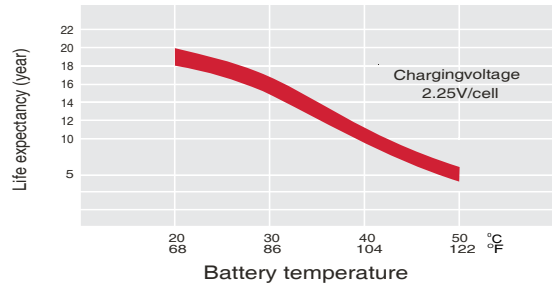


Charge voltage :
 A—2.25 V/cell B—2.40 V/cell
 — State of charge 100% - - - State of charge 90%

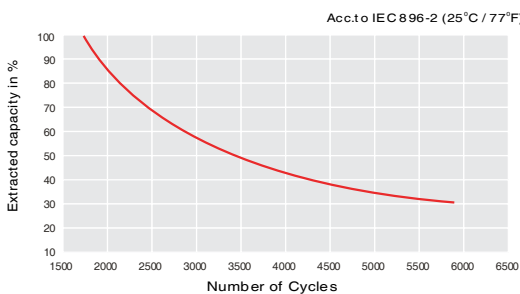
Temperature Effects in Relation to Battery Capacity



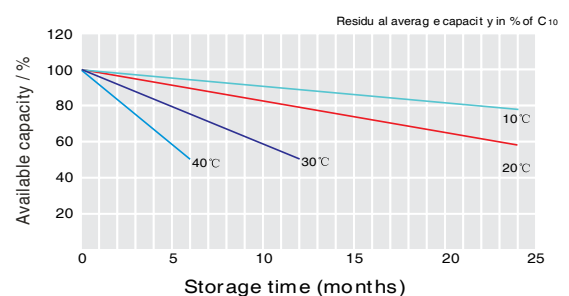
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE