

CZV300-6

6V 300AH

OPzV



CZV300-6

Awaiting Image

Physical Specification

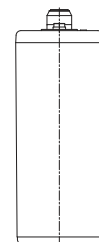
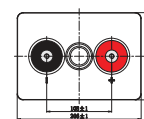
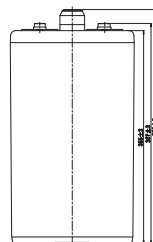
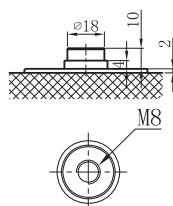
| | |
|------------------------------|------------|
| Part Number | CZV300-6 |
| Length | 145 ± 2 mm |
| Width | 206 ± 2 mm |
| Container Height | 355 ± 2 mm |
| Total Height (with terminal) | 390 ± 2 mm |
| Approx Weight | 26.0 kg |

Specifications

| | | |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| | Nominal Voltage | 6V |
| | Nominal Capacity (20HR) | 300.0AH |
| Terminal Type | Standard Terminal | T11 |
| Container Material | Standard Option | ABS |
| | Flame Retardant Option (FR) | ABS (UL94:VO) |
| Rated Capacity | 10hr, 1.80V/cell, 25°C | 300 AH/30.0A |
| | 5hr, 1.75V/cell, 25°C | 263 A H/52.6A |
| | 3hr, 1.75V/cell, 25°C | 233.7 AH/77.9A |
| | 1hr, 1.60V/cell, 25°C | 171 AH/171A |
| Max Discharge Current | 2400A (5s) | |
| Internal Resistance | Approx 1.0mΩ | |
| Discharge Characteristics | Operating Temp. Range | Discharge: -20 ~ 55°C |
| | | Charge: 0 ~ 40°C |
| | | Storage: -20 ~ 50°C |
| | Cycle Use | Initial Charging Current less than 75.0A. 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



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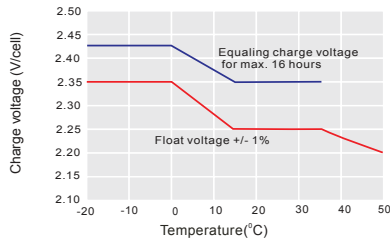
Constant Current Discharge (Amperes) at 20°C

| F.V/Time | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
|------------|-------|-------|-------|-----|------|------|------|------|------|
| 1.85V/cell | 256 | 233 | 183 | 135 | 91.2 | 70.0 | 47.8 | 33.3 | 28.1 |
| 1.80V/cell | 315 | 282 | 214 | 152 | 100 | 76.2 | 51.6 | 35.7 | 30.0 |
| 1.75V/cell | 373 | 316 | 228 | 158 | 103 | 77.9 | 52.6 | 36.3 | 30.5 |
| 1.70V/cell | 418 | 344 | 241 | 164 | 106 | 79.5 | 53.4 | 36.8 | 30.8 |
| 1.65V/cell | 449 | 364 | 251 | 168 | 108 | 81.0 | 54.2 | 37.2 | 31.1 |
| 1.60V/cell | 470 | 377 | 257 | 171 | 109 | 81.9 | 54.8 | 37.5 | 31.4 |

Constant Power Discharge (Watts) at 20°C

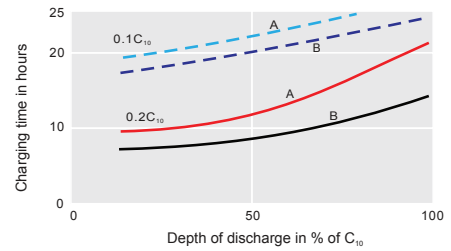
| F.V/Time | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
|------------|-------|-------|-------|-----|-----|-----|------|------|------|
| 1.85V/cell | 476 | 438 | 350 | 260 | 177 | 137 | 94.1 | 66.1 | 55.9 |
| 1.80V/cell | 576 | 522 | 404 | 291 | 194 | 148 | 101 | 70.6 | 59.6 |
| 1.75V/cell | 669 | 577 | 426 | 301 | 198 | 151 | 103 | 71.7 | 60.4 |
| 1.70V/cell | 738 | 620 | 447 | 311 | 202 | 153 | 104 | 72.4 | 61.0 |
| 1.65V/cell | 778 | 645 | 460 | 317 | 205 | 155 | 105 | 73.1 | 61.5 |
| 1.60V/cell | 799 | 658 | 467 | 321 | 207 | 157 | 106 | 73.5 | 61.9 |

Discharge Characteristics



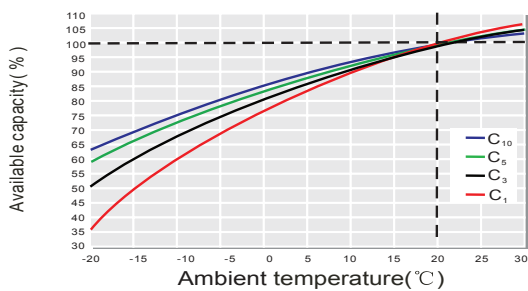
For continuous charging we recommend a voltage of 2.25 V. The charging voltage must be compensated to the curve for continuously different battery ambient temperature.

Float Charging Characteristics

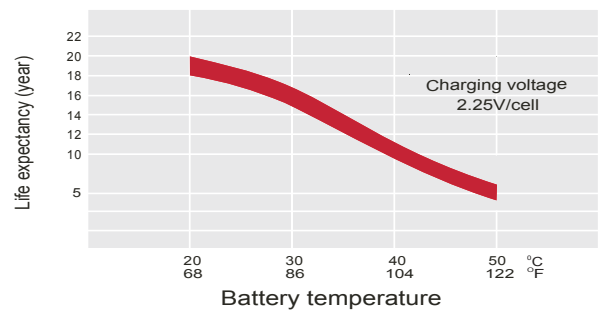


Charge voltage:
 A—2.25 V/cell B—2.40 V/cell
 --- State of charge 100% --- State of charge 90%

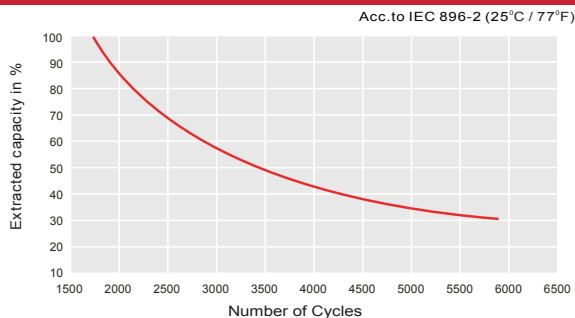
Temperature Effects in Relation to Battery Capacity



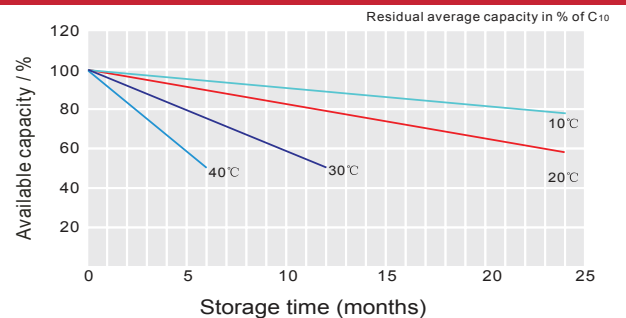
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



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