

UZV200-12

12V 200AH

OPzV

UZV200-12



Physical Specification

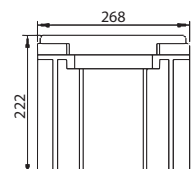
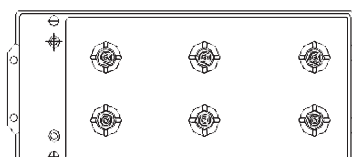
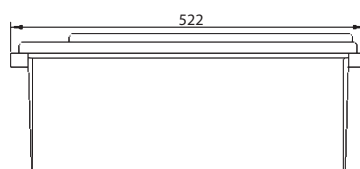
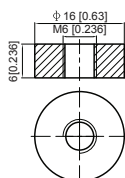
| | |
|------------------------------|------------|
| Part Number | UZV200-12 |
| Length | 522 ± 2 mm |
| Width | 268 ± 2 mm |
| Container Height | 222 ± 2 mm |
| Total Height (with terminal) | 222 ± 2 mm |
| Approx Weight | 74.5 kg |

Specifications

| | | |
|------------------------------|---|--|
| | Nominal Voltage | 12V |
| | Nominal Capacity (10HR) | 200AH |
| Terminal Type | Standard Terminal | F6 |
| Container Material | Standard Option | ABS |
| | 10 hr (10.8V/cell, 20°C) | 200AH |
| | 5 hr (10.5V/cell, 20°C) | 178AH |
| | 1 hr (9.60V/cell, 20°C) | 106AH |
| Max Discharge Current | 1250A (5 sec) | |
| Internal Resistance | Approx 2.3mΩ | |
| Discharge Characteristics | Operating Temp. Range | Discharge: -15°C~50°C Charge: -10°C~50°C Storage: -20°C~50°C |
| | Nominal Operating Temp. Range | 25±3°C |
| | Maximum Initial Charging Current | 40A |
| | Cycle Use | 13.80 ~ 14.10V Temp Coefficient -24mV/°C |
| | Standby Use | 13.50V ~ 13.80V at 25°C Temp. Coefficient -18mV/°C |
| | Capacity affect by Temperature | 40°C 103% 25°C 100% 0°C 86% |
| Design Floating Life at 20°C | 20 Years | |
| Self Discharge | 3% to 2% of capacity declines per month @20°C. Ultracell UZV batteries may be stored for up to 6 months at 25°C and then a refresh charge is required. For higher temperatures the time interval will be shorter. | |

Dimensions

F6 Terminal



Constant Current Discharge (Amperes) at 20°C

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h | 24h |
|----------|------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1.60V | 244 | 240 | 216 | 166 | 106 | 68.6 | 50.6 | 42.6 | 36.3 | 31.0 | 23.5 | 20.4 | 10.8 | 9.30 |
| 1.65V | 237 | 233 | 211 | 163 | 105 | 68.2 | 50.3 | 42.4 | 36.1 | 30.8 | 23.3 | 20.3 | 10.8 | 9.28 |
| 1.70V | 227 | 223 | 203 | 158 | 102 | 67.6 | 49.9 | 42.1 | 35.8 | 30.6 | 23.2 | 20.3 | 10.7 | 9.21 |
| 1.75V | 217 | 214 | 196 | 154 | 99.9 | 66.6 | 49.6 | 41.8 | 35.6 | 30.4 | 23.0 | 20.1 | 10.7 | 9.20 |
| 1.80V | 205 | 202 | 186 | 148 | 96.9 | 64.9 | 48.1 | 40.5 | 34.5 | 29.5 | 22.3 | 20.0 | 10.6 | 9.16 |

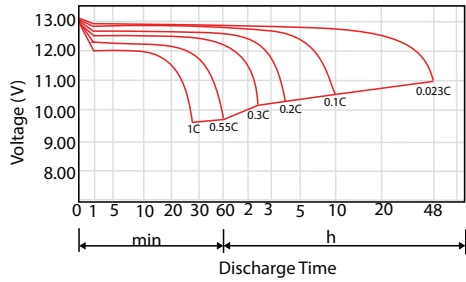
Revised: 27 Jan 2016

ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE

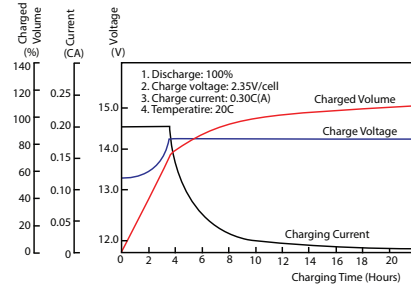
Constant Power Discharge (Watts) at 20°C

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h | 24h |
|----------|------|-------|-------|-------|-------|-----|------|------|------|------|------|------|------|------|
| 1.60V | 427 | 432 | 395 | 310 | 202 | 132 | 99.2 | 83.6 | 71.5 | 61.1 | 46.5 | 40.5 | 21.6 | 18.7 |
| 1.65V | 414 | 419 | 386 | 304 | 199 | 132 | 98.6 | 83.1 | 71.1 | 60.7 | 46.2 | 40.4 | 21.5 | 18.7 |
| 1.70V | 397 | 402 | 372 | 295 | 194 | 130 | 97.9 | 82.5 | 70.6 | 60.3 | 45.9 | 40.3 | 21.5 | 18.5 |
| 1.75V | 380 | 384 | 359 | 288 | 190 | 129 | 97.2 | 81.9 | 70.1 | 59.9 | 45.5 | 40.0 | 21.3 | 18.5 |
| 1.80V | 359 | 363 | 340 | 277 | 184 | 125 | 94.3 | 79.5 | 68.0 | 58.1 | 44.2 | 39.8 | 21.2 | 18.4 |

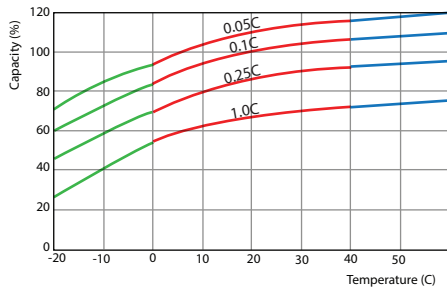
Discharge Characteristics



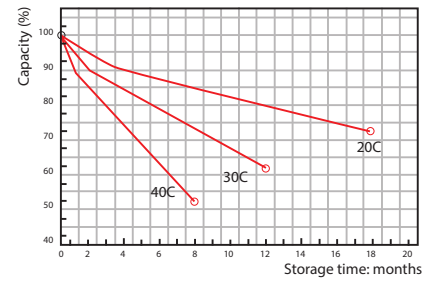
Charging Characteristics



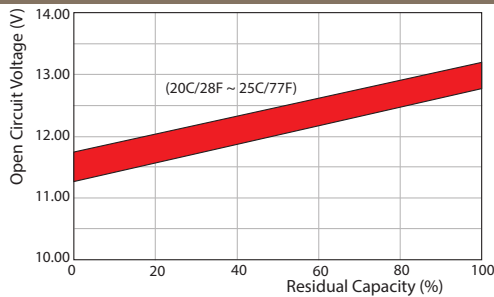
Temperature Effects in Relation to Battery Capacity



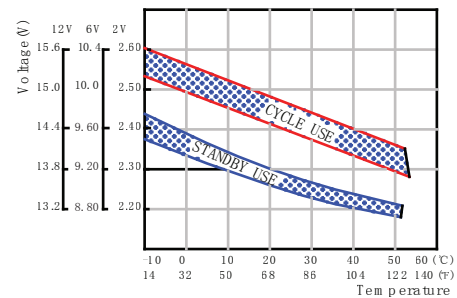
Self-discharge Characteristics



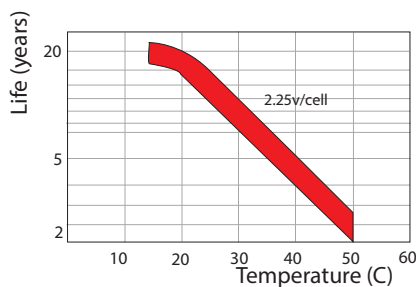
The Relationship for Open Circuit Voltage and Residual Capacity



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D

