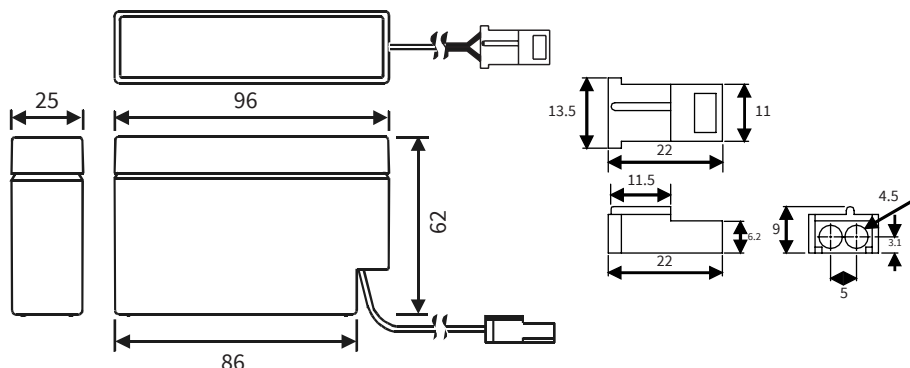


## CP 0.8-12

## Multi purpose AGM battery

### Dimensions (mm)

### Standard terminal (mm)



### Typical applications

- Security systems
- Measuring equipment
- Emergency lighting
- UPS systems
- Telecom systems
- Medical equipment
- Control panels
- Electronic instruments

### Features

- Valve Regulated Lead Acid (VRLA)
- Absorbent Glass Mat Technology (AGM)
- High current drain grid resistant to corrosion by virtue of a lead-calcium alloy
- Maintenance free
- Classified as non-spillable under IATA, ADR and IMDG regulations
- Can be discharged or stored in any position without leakage
- Battery cannot be charged while upside down
- Produced under ISO 9001 & ISO 14001

|                                  |                             |
|----------------------------------|-----------------------------|
| Nominal voltage                  | 12 V                        |
| Nominal capacity (1.70V/c, 25°C) | 20Hr: 0.73 Ah               |
|                                  | 5Hr: 0.67 Ah                |
|                                  | 1Hr: 0.48 Ah                |
| Internal resistance              | ≤125mΩ (fully charged)      |
| Maximum charge current           | 0.21 A                      |
| Maximum discharge current        | 10.5 A (max. 5 sec)         |
| Float use / cyclic use           | 13.5 - 13.8V / 14.4 - 15.0V |
| Charge temperature range         | -15°C ~ 40°C                |
| Discharge temperature range      | -15°C ~ 50°C                |
| Design life (20°C)               | 3-5 years (Eurobat)         |
| Standard terminal                | Wired plug                  |
| Housing material                 | ABS (UL94-HB)               |
| Dimensions Length                | 96 mm                       |
| Dimensions Width                 | 25 mm                       |
| Dimensions Height                | 62 mm                       |
| Approximate Weight               | 0.40 kg                     |
| Packing                          | 40 pcs / box                |

### Constant Current Discharge (Ampères) per Cell\* at 25°C (77°F)

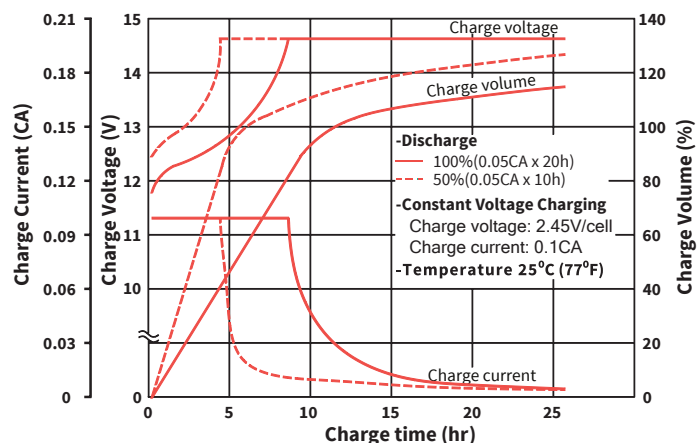
| F.V/TIME   | 5 Min | 10 Min | 15 Min | 30 Min | 60 Min | 2 Hr  | 5 Hr  | 10 Hr | 20 Hr  |
|------------|-------|--------|--------|--------|--------|-------|-------|-------|--------|
| 1.80V/cell | 2.31  | 1.61   | 1.30   | 0.703  | 0.447  | 0.260 | 0.124 | 0.065 | 0.0352 |
| 1.75V/cell | 2.62  | 1.79   | 1.41   | 0.755  | 0.462  | 0.271 | 0.129 | 0.067 | 0.0358 |
| 1.70V/cell | 2.86  | 1.94   | 1.48   | 0.801  | 0.475  | 0.282 | 0.133 | 0.069 | 0.0363 |
| 1.65V/cell | 3.03  | 2.05   | 1.53   | 0.833  | 0.486  | 0.290 | 0.136 | 0.071 | 0.0368 |
| 1.60V/cell | 3.14  | 2.12   | 1.56   | 0.852  | 0.493  | 0.296 | 0.138 | 0.072 | 0.0371 |

### Constant Power Discharge (Watts) per Cell\* at 25°C (77°F)

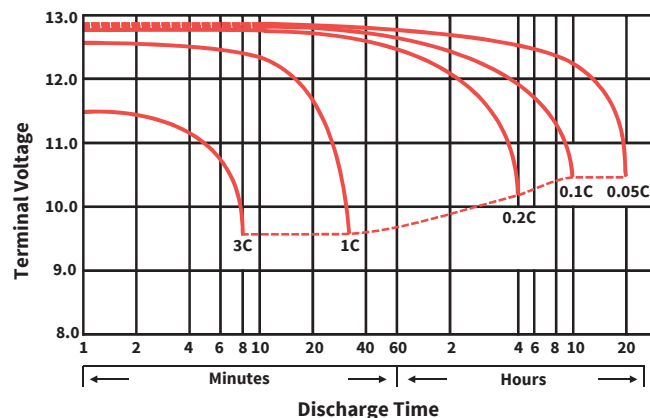
| F.V/TIME   | 5 Min | 10 Min | 15 Min | 30 Min | 60 Min | 2 Hr  | 5 Hr  | 10 Hr | 20 Hr |
|------------|-------|--------|--------|--------|--------|-------|-------|-------|-------|
| 1.80V/cell | 4,133 | 3,067  | 2,533  | 1,422  | 0,865  | 0,520 | 0,258 | 0,136 | 0,072 |
| 1.75V/cell | 4,533 | 3,383  | 2,683  | 1,482  | 0,897  | 0,545 | 0,267 | 0,142 | 0,074 |
| 1.70V/cell | 4,850 | 3,633  | 2,783  | 1,527  | 0,923  | 0,565 | 0,273 | 0,144 | 0,075 |
| 1.65V/cell | 5,117 | 3,817  | 2,867  | 1,560  | 0,945  | 0,582 | 0,277 | 0,146 | 0,075 |
| 1.60V/cell | 5,300 | 3,933  | 2,917  | 1,582  | 0,960  | 0,593 | 0,280 | 0,147 | 0,076 |

\*: Battery consists of 6 cells

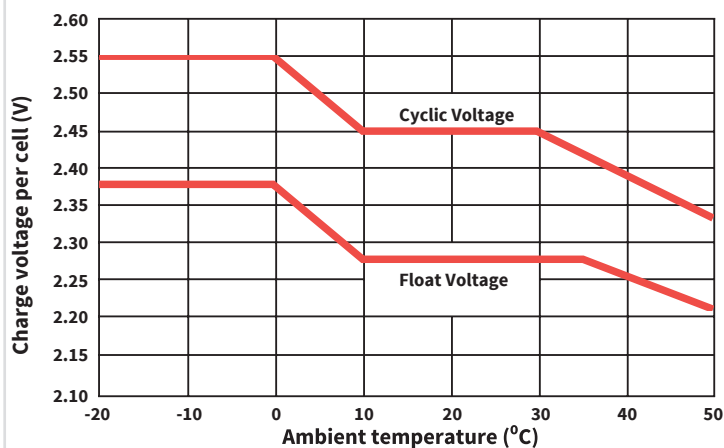
## Charge characteristics



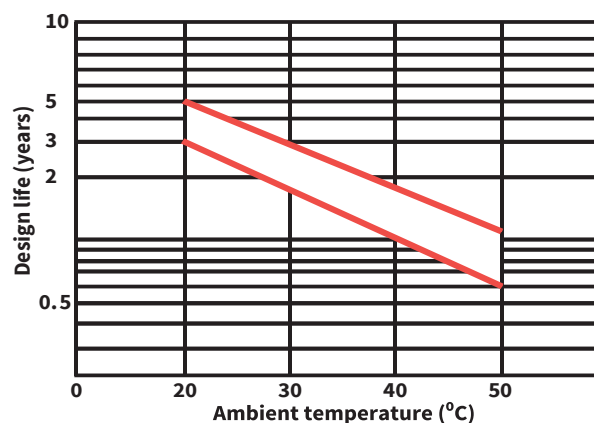
## Discharge characteristics



## Charge voltage in relation to temperature



## Service life in relation to temperature



## Models available

| Model       | Voltage | Capacity (Ah) | Dimensions (mm) | Weight (kg) |
|-------------|---------|---------------|-----------------|-------------|
| CP 1.2-6    | 6       | 1.2           | 97x24x58        | 0.28        |
| CP 3.2-6    | 6       | 3.2           | 134x35x67       | 0.60        |
| CP 3.5-6    | 6       | 3.5           | 194x25x56       | 0.60        |
| CP 4-6      | 6       | 4.0           | 70x47x107       | 0.68        |
| CP 7-6      | 6       | 7.0           | 151x34x100      | 1.15        |
| CP 12-6     | 6       | 12            | 151x50x100      | 1.80        |
| CP 0.8-12   | 12      | 0.8           | 96x25x62        | 0.40        |
| CP 1.2-12 * | 12      | 1.2           | 97x43x58        | 0.52        |
| CP 2-12M    | 12      | 2.0           | 150x20x90       | 0.68        |
| CP 2.2-12 * | 12      | 2.2           | 178x34x66       | 1.04        |
| CP 2.9-12   | 12      | 2.9           | 79x56x105       | 1.05        |
| CP 3.2-12 * | 12      | 3.2           | 134x67x67       | 1.30        |
| CP 4.5-12   | 12      | 4.5           | 195x47x76       | 1.58        |
| CP 7-12 *   | 12      | 7.0           | 151x65x102      | 2.20        |
| CP 7-12L *  | 12      | 7.0           | 151x65x102      | 2.20        |
| CP 12-12 *  | 12      | 12            | 151x98x98       | 4.02        |
| CP 18-12I * | 12      | 18            | 181x76x167      | 5.60        |
| CP 20-12B   | 12      | 20            | 181x76x167      | 5.95        |
| CP 26-12I * | 12      | 26            | 166x175x125     | 9.30        |
| CP 40-12I * | 12      | 40            | 197x165x170     | 12.80       |
| CP 65-12 *  | 12      | 65            | 350x167x179     | 20.80       |

\*: VdS approved battery

## VdS approved VRLA batteries

The VdS-approved Cellpower batteries form a special range that has been tested and qualified by the German VdS institute. The concept behind VdS recognition; ensuring tested and certified quality in the products and services being offered in the safety and security markets, is of equally advantageous for user and supplier. Safety and security systems are approved by the VdS and monitored in subsequent use to protect property and life and help to keep a insurance premiums lower.

### Typical applications:

- VdS approved alarm systems
- Fire & burglar alarm systems

## Cellpower family

Cellpower supplies a broad range of reliable AGM, GEL and Lithium batteries. Each product series has its own unique characteristics, so that there is a suitable battery for every application with its associated specific usage profile. Combined with the right Cellpower battery accessories, you are able to assemble a high-quality and reliable battery system.

