

# GP05122F

PN: BTVACEUOATF2FCN01B  
EAN: 6422956011093

## Specifications

|   |  |
|---|--|
| Battery Model                               | GP05122F   |
| Voltage                                     | 12V  |
| Power<br>(1,65V/cell@15 min)                | 15,78W/cell  |
| Type  | Valve regulated lead-acid (VRLA),<br>6 cell, absorbent glass mat (AGM) -<br>maintenance free |
| Designed Floating Life                      | Up to 5 years (25°C)<br>Eurobat (20°C) : 3-5 years standard<br>commercial                    |
| Nominal Operating<br>Temp. Range            | 25°C ± 3°C   |
| Terminal                                    | F2 terminal - Faston Tab 250   |
| <b>Construction</b>                         |  |
| Container & Cover                           | ABS  |
| Safety valve                                | Rubber   |
| Terminal                                    | Copper   |
| Internal Resistance                         | Full charged at 25°C ≤ 45mΩ  |
| Self Discharge (20°C)                       | 2% of capacity declined per month  |
| <b>Capacity affected by<br/>temperature</b> |  |
| 40°C  | 103%   |
| 25°C  | 100%   |
| 0°C   | 86%  |
| <b>Charge Voltage (25°C)</b>                |  |
| Cycle use                                   | 14,4V - 15,0V (-30mV/°C),<br>max. Current: 1.5A  |
| Float use                                   | 13,5V - 13,8V (-20mV/°C)   |
| <b>Physical</b>                             |  |
| Without Terminal                            | 90 x 70 x 101 mm   |
| With Terminal                               | 90 x 70 x 107 mm   |
| Product Weight                              | 1.41 Kg  |



Completely  
sealed and  
maintenance-free



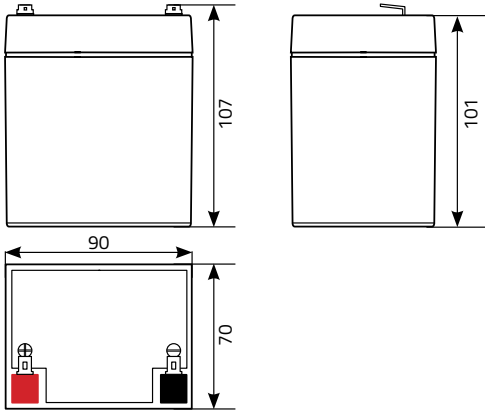
Excellent  
charging and  
re-charging



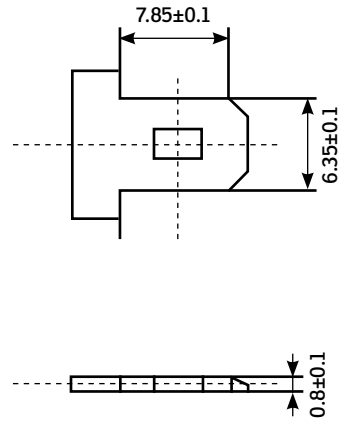
Floating &  
standby use:  
3-5 years

- Small size battery
- Excellent charging and re-charging
- Stable and reliable for long-term
- Low self-discharge
- Floating & standby use: 3-5 years
- More than 260 cycles at 100% DOD
- Multiple Application: Alarm and Security Systems, Cable Television, Communication Equipment, Power Tools, Control Equipment, Medical Equipment, UPS, Toys

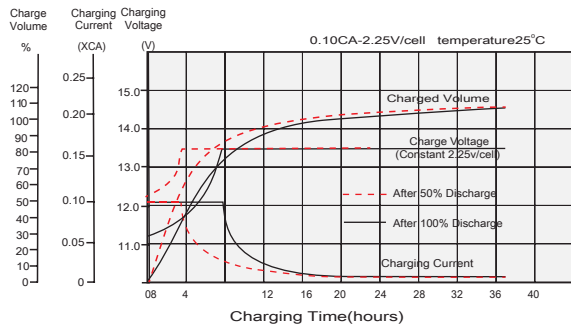
## Dimensions (mm)



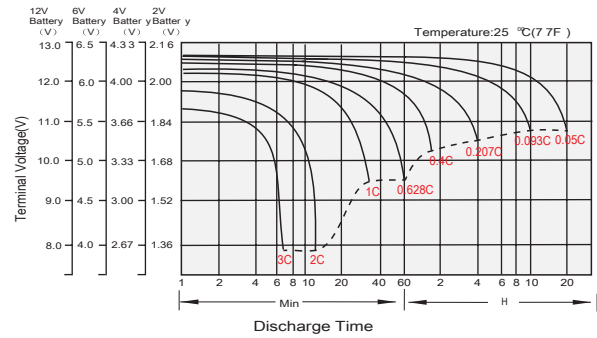
## T2 (F2) Terminal Dimensions (mm)



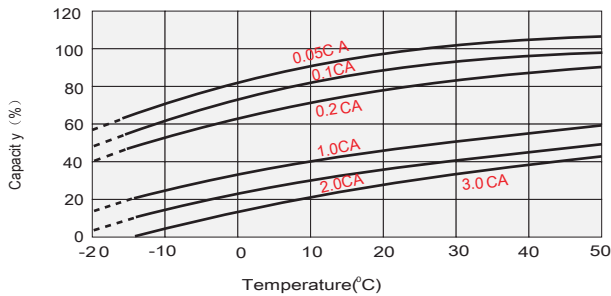
## Float Charging Characteristics



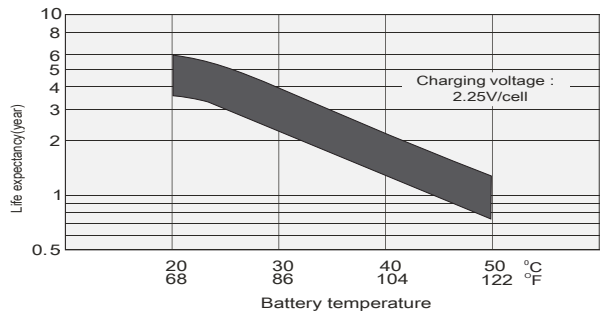
## Discharge Characteristics



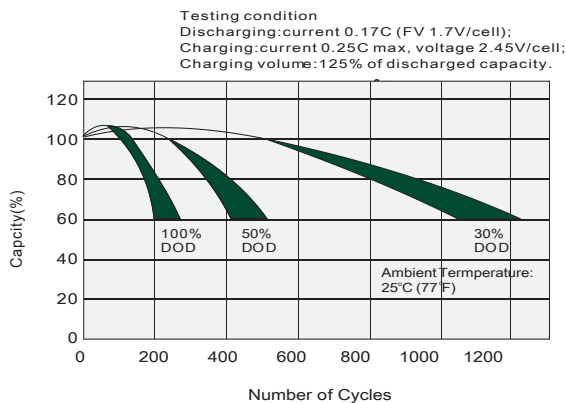
## Temperature Effects in Relation to Battery Capacity



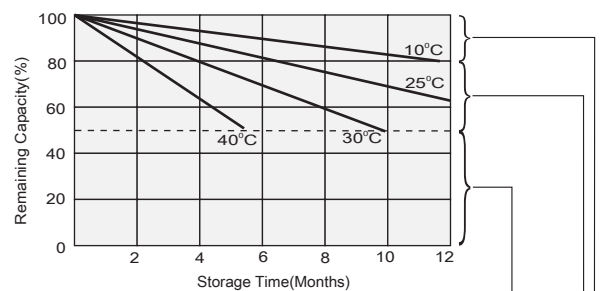
## Effect of Temperature on Long Term Float Life



## Cycle Life in Relation to Depth of Discharge



## Self Discharge Characteristics



Supplementary charge may often fail to recover the capacity. The battery should never be left to discharge below this level.

Supplementary charge required before use. Optional charging way as below:  
 1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.  
 2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.  
 3. Charged for 8-10 hours at limited current 0.05CA.

No supplementary charge required  
 (Carry out supplementary charge before use if 100% capacity is required.)






## Constant Current Discharge Characteristics (A), 25°C

| F.V/Ti     | 5min   | 10min  | 15min | 30min | 1Hr   | 3Hr   | 5Hr   | 10Hr  | 20Hr  |
|------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 1.80V/cell | 13.977 | 9.657  | 7.627 | 5.150 | 2.694 | 1.225 | 0.831 | 0.457 | 0.247 |
| 1.75V/cell | 14.376 | 10.006 | 7.781 | 5.250 | 2.800 | 1.267 | 0.850 | 0.465 | 0.250 |
| 1.70V/cell | 15.372 | 10.613 | 8.088 | 5.325 | 2.811 | 1.279 | 0.864 | 0.475 | 0.256 |
| 1.65V/cell | 15.787 | 10.827 | 8.294 | 5.375 | 2.825 | 1.298 | 0.880 | 0.486 | 0.265 |
| 1.60V/cell | 16.600 | 11.255 | 8.550 | 5.250 | 2.845 | 1.330 | 0.910 | 0.507 | 0.275 |

## Constant Wattage Discharge Characteristics (W), 25°C

| F.V/Ti     | 5min   | 10min  | 15min  | 30min  | 1Hr   | 3Hr   | 5Hr   | 10Hr  | 20Hr  |
|------------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 1.80V/cell | 24.949 | 17.488 | 14.094 | 9.558  | 5.018 | 2.297 | 1.577 | 0.898 | 0.486 |
| 1.75V/cell | 26.106 | 18.270 | 14.511 | 9.865  | 5.270 | 2.394 | 1.627 | 0.921 | 0.497 |
| 1.70V/cell | 28.176 | 19.614 | 15.214 | 10.091 | 5.367 | 2.452 | 1.674 | 0.951 | 0.514 |
| 1.65V/cell | 29.126 | 20.150 | 15.783 | 10.299 | 5.162 | 2.514 | 1.721 | 0.987 | 0.540 |
| 1.60V/cell | 30.743 | 21.103 | 16.373 | 10.143 | 5.542 | 2.596 | 1.792 | 1.040 | 0.568 |

## Logistics

-  Carton Box Size 370 x 190 x 130 mm
-  Pieces in the Carton Box 10 pcs / ctn
-  Net & Gross weight / CTN N.W. / G.W.: 14.1 kg / 14.6 kg