

# GE15012KF

PN: BTVGCLTODEEKFCW01B  
EAN: 6422956013431

## Specifications

|                                         |                                                                  |
|-----------------------------------------|------------------------------------------------------------------|
| Battery Model                           | GE15012KF                                                        |
| Voltage                                 | 12V                                                              |
| Power<br>(1.65V/cell@15min)             | 455W/cel                                                         |
| Type                                    | Valve regulated lead-acid (VRLA), 6 cell, GEL - maintenance free |
| Designed Floating Life                  | Up to 9 years (25°C)                                             |
| Nominal Operating Temp. Range           | 25°C ± 3°C                                                       |
| Terminal                                | T11 (M8 bolt)                                                    |
| <b>Construction</b>                     |                                                                  |
| Container & Cover                       | ABS                                                              |
| Safety valve                            | EPDR                                                             |
| Terminal                                | Copper                                                           |
| Self Discharge (25°C)                   | after 3 month storage 92%<br>after 6 month storage 84%           |
| <b>Capacity affected by temperature</b> |                                                                  |
| 40°C                                    | 103%                                                             |
| 25°C                                    | 100%                                                             |
| 0°C                                     | 90%                                                              |
| <b>Charge Voltage (25°C)</b>            |                                                                  |
| Cycle use                               | 13.5V~13.8V max. Current: 45A                                    |
| Float use                               | 13.5V~13.8V                                                      |
| Internal resistance                     | 4.5mΩ                                                            |
| <b>Physical</b>                         |                                                                  |
| Without Terminal                        | 485 x 170 x 240 mm                                               |
| With Terminal                           | 485 x 170 x 240 mm                                               |
| Product Weight                          | 42.7kg                                                           |



Completely sealed and maintenance-free



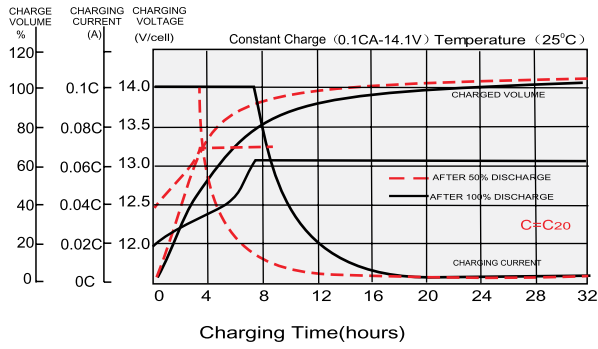
Excellent charging and re-charging



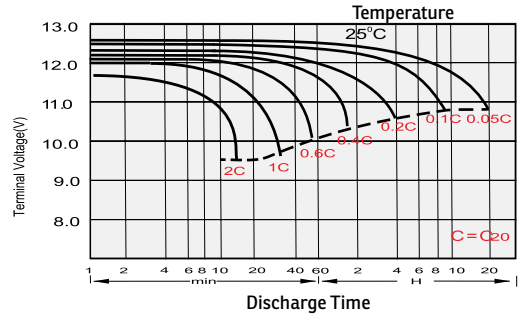
Long Life & low self-discharge design

- Gel deep cycle technology
- Excellent charging and re-charging
- Stable and reliable for long-term
- Low self-discharge
- Floating & standby use: up to 9 years
- More than 400 cycles at 100% DOD
- Multiple Application: Alarm and Security Systems, Cable Television, Communication Equipment, Power Tools, Control Equipment, Medical Equipment, UPS, Toys, Solar Systems

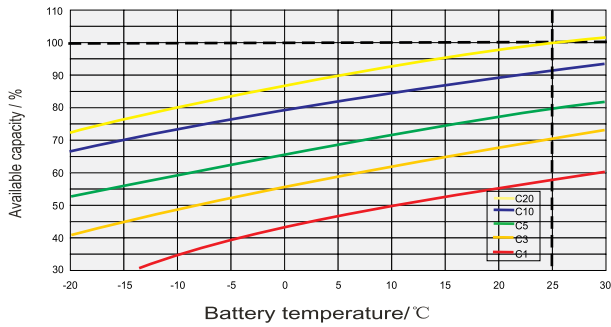
## Constant voltage charging characteristic (0.25 CA, at 25°C)



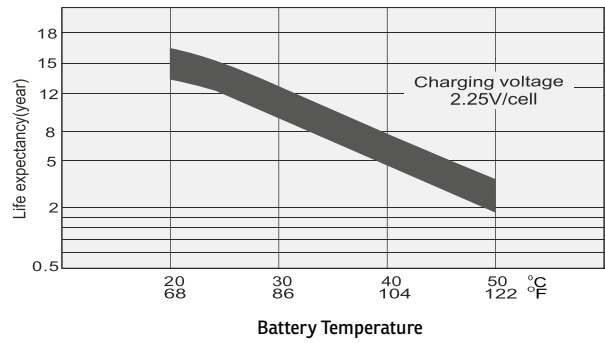
## Discharge Characteristics



## Temperature Effects in Relation to Battery Capacity

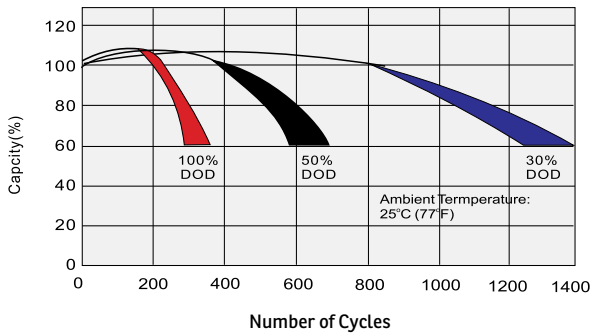


## Effect of Temperature on Long Term Float Life

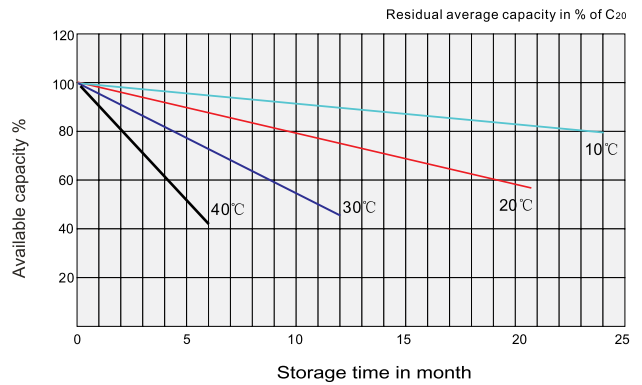


## Cycle Life in Relation to Depth of Discharge

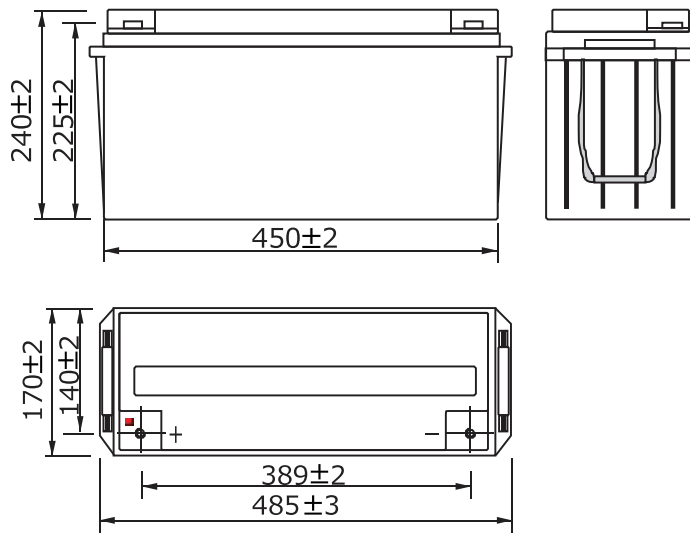
Testing condition  
 Discharging: current 0.17C (FV 1.7V/cell);  
 Charging: current 0.25C max, voltage 2.45V/cell;  
 Charging volume: 125% of discharged capacity.



## Self Discharge Characteristics



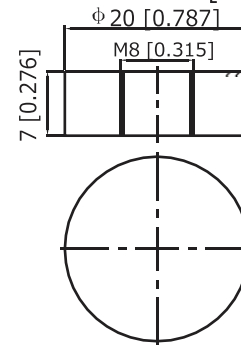
## Dimensions (mm)



## T11(M8) Terminal Dimensions (mm)

### T11/M8 Terminal

Unit: mm [inches]






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

| F.V/Ti     | 15min | 30min | 60min | 2Hr  | 3Hr  | 5Hr  | 8h   | 10Hr | 20Hr |
|------------|-------|-------|-------|------|------|------|------|------|------|
| 1.80V/cell | 220   | 135   | 86.0  | 51.3 | 40.7 | 26.1 | 17.3 | 15.0 | 7.88 |
| 1.75V/cell | 228   | 138   | 87.0  | 52.7 | 41.5 | 26.4 | 17.7 | 15.2 | 7.95 |
| 1.70V/cell | 239   | 147   | 90.0  | 55.8 | 42.0 | 26.8 | 18.0 | 15.3 | 8.03 |
| 1.65V/cell | 247   | 151   | 92.0  | 56.8 | 42.7 | 27.2 | 18.4 | 15.5 | 8.13 |
| 1.60V/cell | 259   | 155   | 93.5  | 58.2 | 43.6 | 27.6 | 18.7 | 15.7 | 8.23 |

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

| F.V/Ti     | 15min | 30min | 60min | 2Hr | 3Hr  | 5Hr  | 8h   | 10Hr | 20Hr |
|------------|-------|-------|-------|-----|------|------|------|------|------|
| 1.80V/cell | 400   | 255   | 155   | 107 | 79.4 | 48.2 | 35.0 | 38.4 | 15.7 |
| 1.75V/cell | 420   | 257   | 165   | 108 | 80.0 | 50.0 | 35.7 | 38.8 | 15.8 |
| 1.70V/cell | 437   | 263   | 170   | 109 | 81.0 | 53.4 | 36.2 | 39.2 | 15.9 |
| 1.65V/cell | 455   | 278   | 175   | 111 | 82.3 | 54.8 | 36.6 | 39.6 | 16.1 |
| 1.60V/cell | 465   | 282   | 178   | 114 | 82.6 | 55.3 | 37.0 | 40.0 | 16.3 |

## Logistics

|                                                                                     |                          |                                |
|-------------------------------------------------------------------------------------|--------------------------|--------------------------------|
|  | Carton Box Size          | 492 x 180 x 277 mm             |
|  | Pieces in the Carton Box | 1 pc / ctn                     |
|  | Net & Gross weight / CTN | N.W. / G.W.: 42.7 kg / 43.2 kg |

