

# GP10012FF

PN: BTVACAHOCEG2FCN01B  
EAN: 6422956010331

## Specifications

Battery Model	GP10012FF
Voltage	12V
Power (1,65V/cell@15 min)	357W/Cell
Type	valve regulated lead–acid (VRLA), 6 cell, absorbent glass mat (AGM) - maintenance free
Designed Floating Life	Up to 5 years (25° C) Eurobat (20° C) : 3-5 years standard commercial
Nominal Operating Temp. Range	25° C ± 3° C
Terminal	T11
<b>Construction</b>	
Container & Cover	ABS
Safety valve	Rubber
Terminal	Copper
Internal Resistance	Full charged at 25° C ≤ 3.6mΩ
Self Discharge (20° C)	2% of capacity declined per month
<b>Capacity affected by 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), max. Current: 30A
Float use	13.5V - 13.8V (-20mV/°C)
<b>Physical</b>	
Without Terminal	330 x 173 x 212 mm
With Terminal	330 x 173 x 220 mm
Product Weight	27.7 Kg



Completely  
sealed and  
maintenance-free



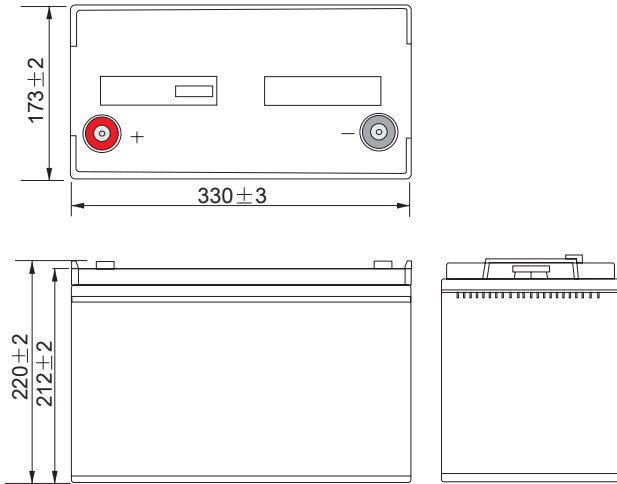
Excellent  
charging and  
re-charging



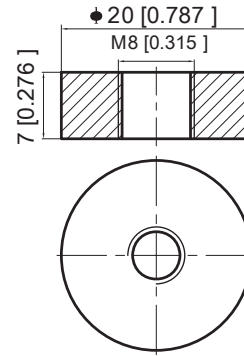
Floating &  
standby use:  
3-5 years

- 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

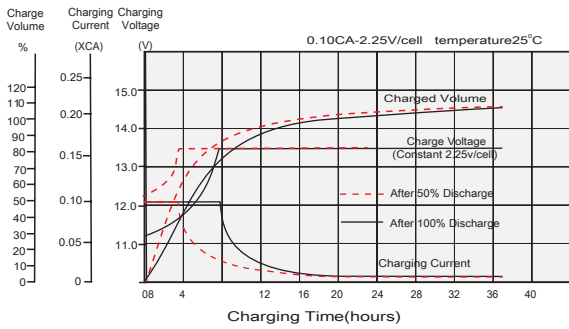
## Dimensions (mm)



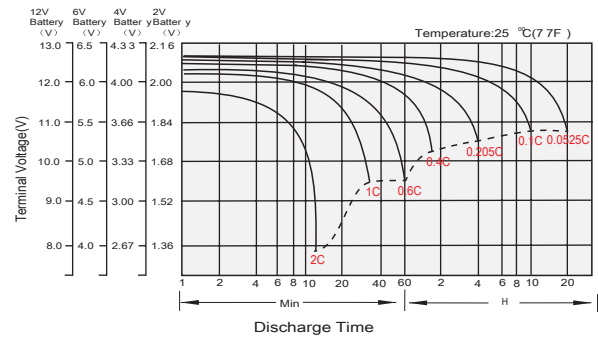
## T11 Terminal Dimensions (mm)



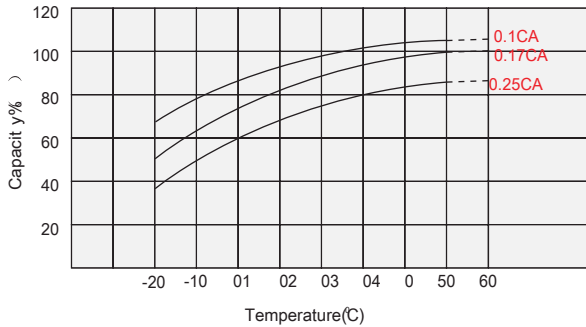
## Float Charging Characteristics



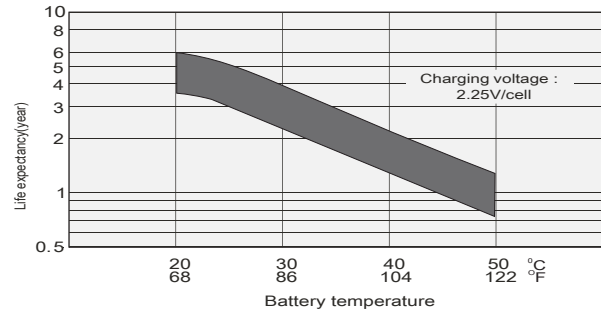
## Discharge Characteristics



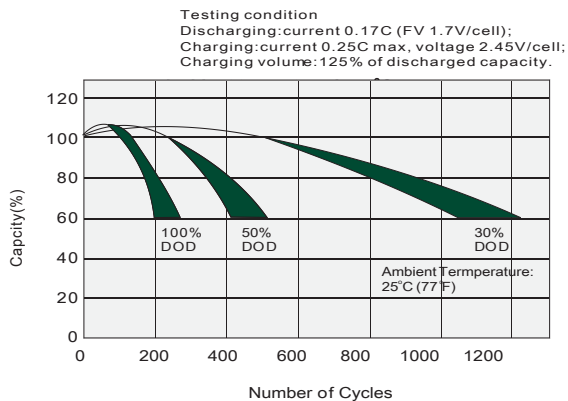
## Temperature Effects in Relation to Battery Capacity



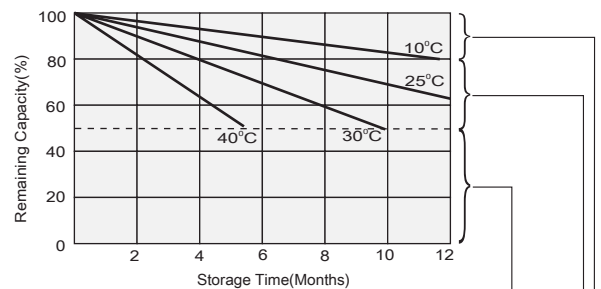
## Effect of Temperature on Long Term Float Life



## 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	10min	15min	30min	1Hr	3Hr	5Hr	10Hr	20Hr
1.80V/cell	229.71	172.18	112.97	58.03	26.51	18.23	10.02	5.41
1.75V/cell	238.01	175.66	115.16	60.32	27.42	18.64	10.20	5.48
1.70V/cell	252.46	182.61	116.80	60.56	27.69	18.94	10.41	5.62
1.65V/cell	257.55	187.24	117.90	60.86	28.10	19.29	10.66	5.81
1.60V/cell	267.72	193.03	120.64	61.28	28.79	19.95	11.11	6.03






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

F.V/Ti	10min	15min	30min	1Hr	3Hr	5Hr	10Hr	20Hr
1.80V/cell	416.00	318.20	209.67	108.11	49.71	34.59	19.69	10.66
1.75V/cell	434.60	327.61	216.39	113.53	51.82	35.68	20.19	10.90
1.70V/cell	466.56	343.49	221.35	115.61	53.09	36.71	20.87	11.27
1.65V/cell	479.31	356.32	225.90	111.20	54.41	37.74	21.64	11.84
1.60V/cell	501.99	369.66	233.09	119.39	56.20	39.30	22.80	12.45



## Logistics

	Carton Box Size	345 x 182 x 275 mm
	Pieces in the Carton Box	1 pc / ctn
	Net & Gross weight / CTN	N.W. / G.W.: 27.7 kg / 28.4 kg

