

GP10012FF

PN: BTVACAHOCEG2FCN01B
EAN: 6422956010331

Specifications

Battery Model	GP10012FF
Voltage	12V
Power (1,65V/cell@15 min)	357W/Cell
Type	VRLA - maintenance free
Designed Floating Life	3~5 years
Nominal Operating Temp. Range	25°C ± 3°C
Terminal	T11
Construction	
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
Capacity affected by temperature	
40°C	103%
25°C	100%
0°C	86%
Charge Voltage (25°C)	
Cycle use	14.4V - 15.0V (-30mV/°C), max. Current: 30A
Float use	13.5V - 13.8V (-20mV/°C)
Physical	
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



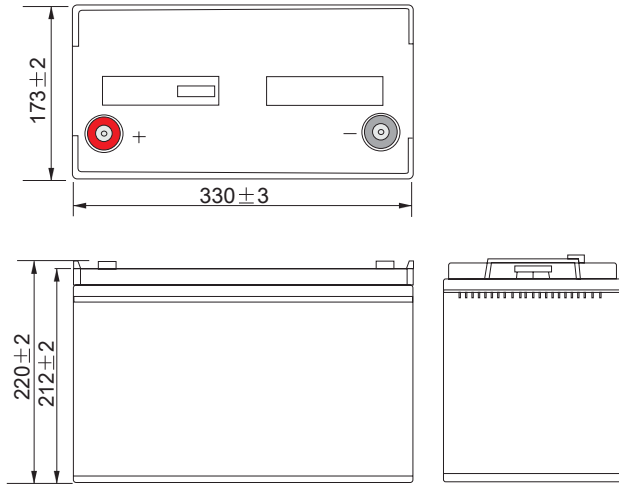
Excellent charging and re-charging



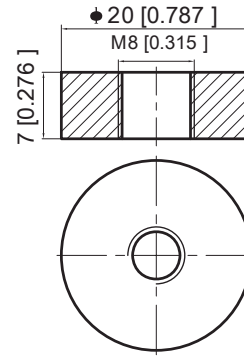
Floating & standby use: 3-5 years

- 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

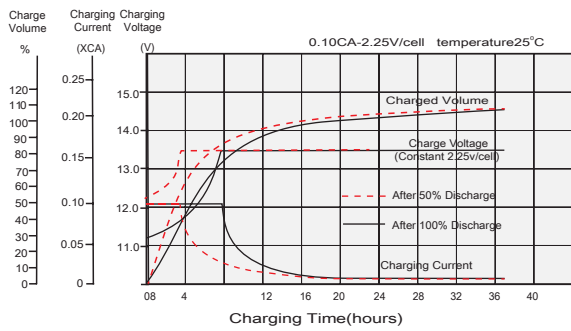
Dimensions (mm)



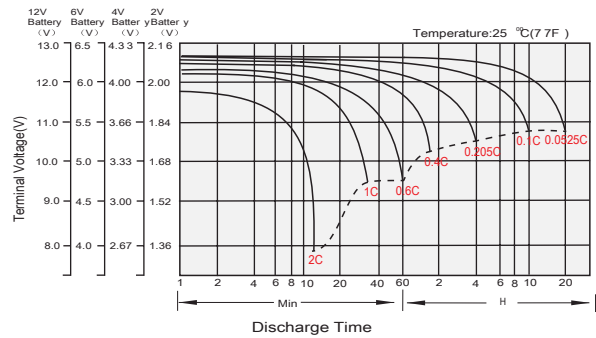
T11 Terminal Dimensions (mm)



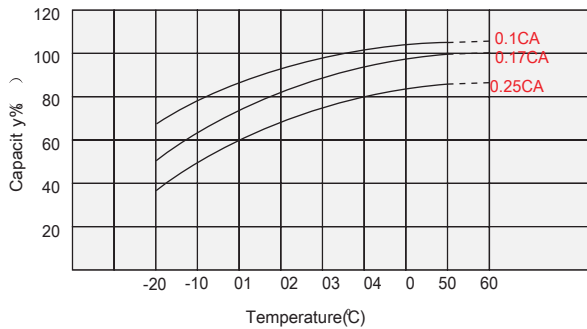
Float Charging Characteristics



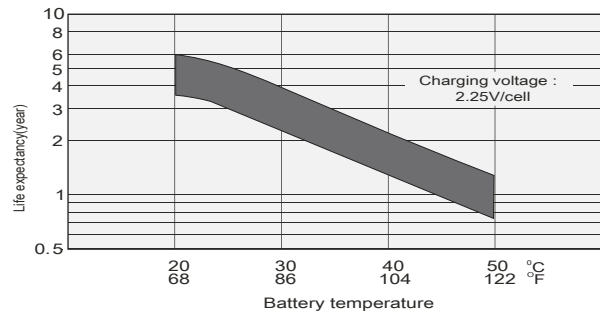
Discharge Characteristics



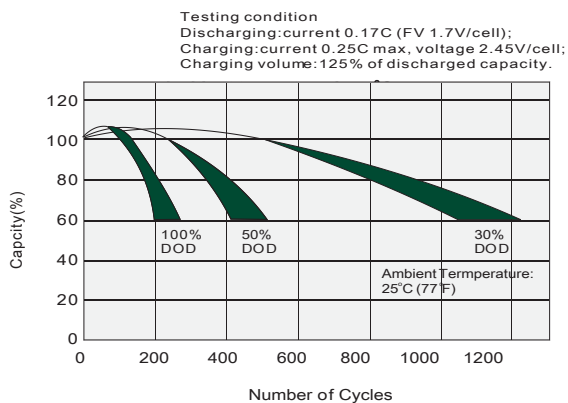
Temperature Effects in Relation to Battery Capacity



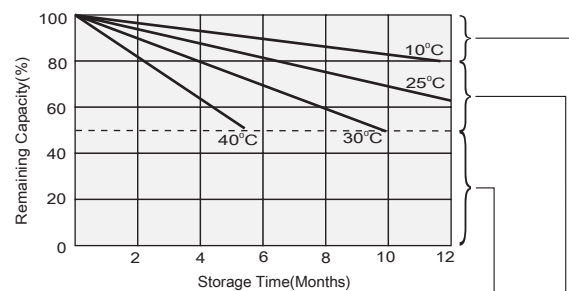
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



Supplemental charge may often fail to recover the capacity. The battery should never be left standing until this is reached.

Supplemental charge required before use. Optimal 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 supplemental charge required (Carry out supplemental 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



Certificates

RoHS 
2011/65/EU

