

GP05121F

PN: BTVACEUOATF1FCN01B
EAN: 6422956010065

Specifications

Battery Model	GP05121F
Voltage	12V
Power (1,65V/cell@15 min)	15,78W/cell
Type	VRLA - maintenance free
Designed Floating Life	3~5 years
Nominal Operating Temp. Range	25°C ± 3°C
Terminal	F1 terminal - Faston Tab 187
Construction	
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
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: 1.5A
Float use	13.5V - 13.8V (-20mV/°C)
Physical	
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



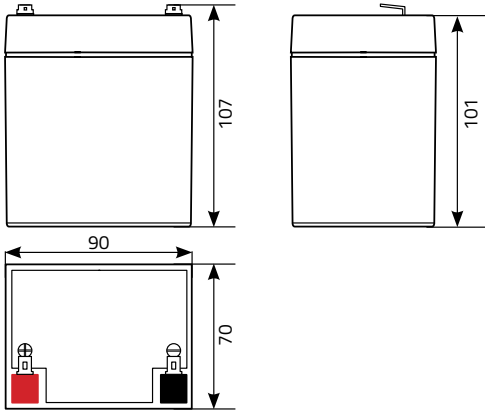
Excellent charging and re-charging



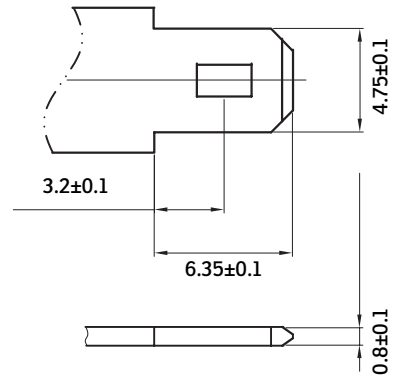
Floating & standby use: 3-5 years

- 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

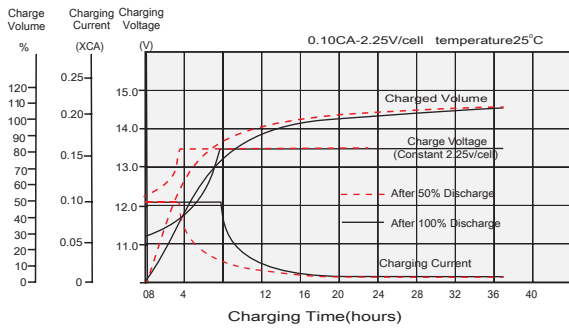
Dimensions (mm)



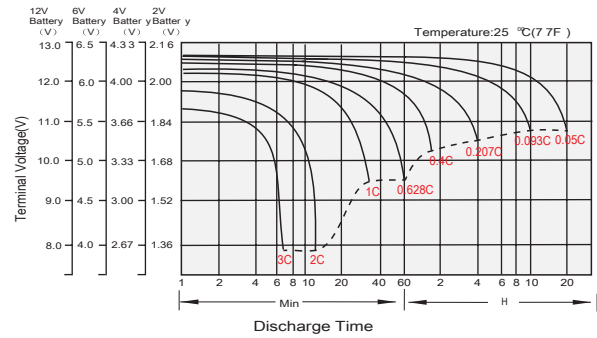
T1 (F1) Terminal Dimensions (mm)



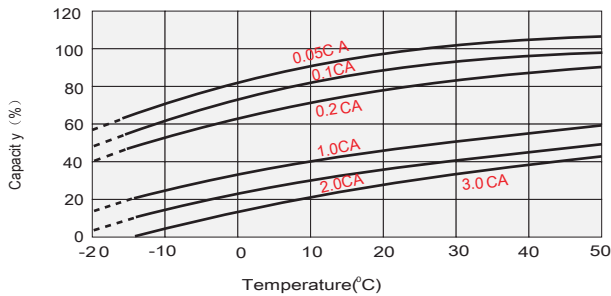
Float Charging Characteristics



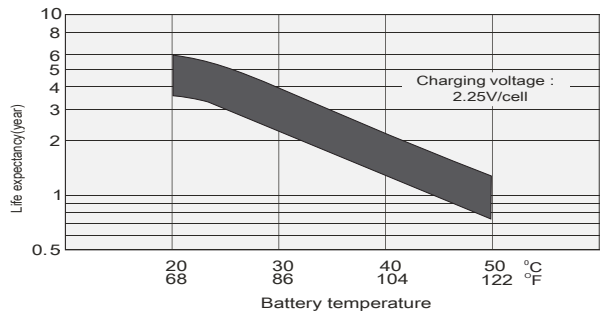
Discharge Characteristics



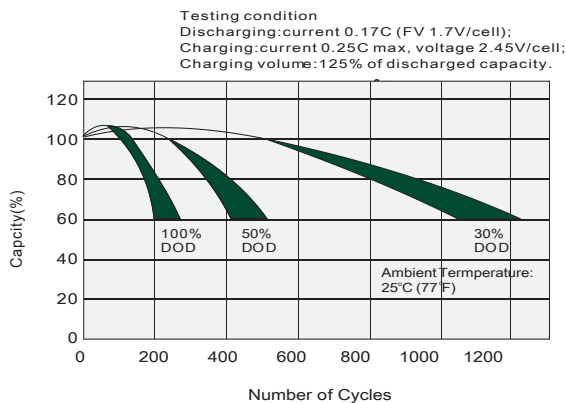
Temperature Effects in Relation to Battery Capacity



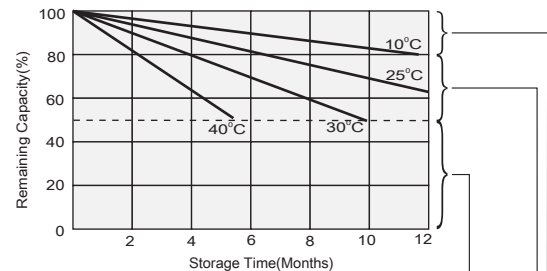
Effect of Temperature on Long Term Float Life



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 standing until this is reached.

Supplementary charge is 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 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



Certificates

