

GP4.5121F

PN: BTVACDUEATE1FCN01B
EAN: 6422956010058

Specifications

Battery Model	GP4.5121F
Voltage	12V
Power (1,65V/cell@15 min)	14,95W/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	F1 terminal - Faston Tab 187
Construction	
Container & Cover	ABS
Safety valve	Rubber
Terminal	Copper
Internal Resistance	Full charged at 25°C ≤ 40mΩ
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: 1.35A
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	1.35 Kg



Completely
sealed and
maintenance-free



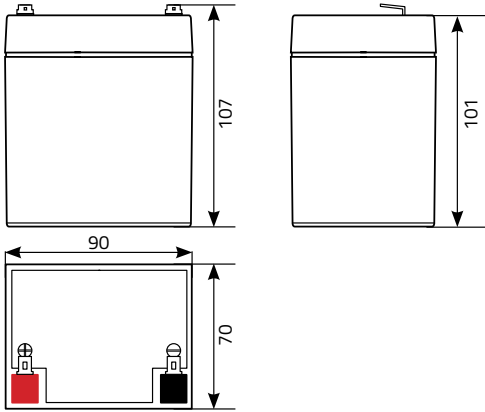
Excellent
charging and
re-charging



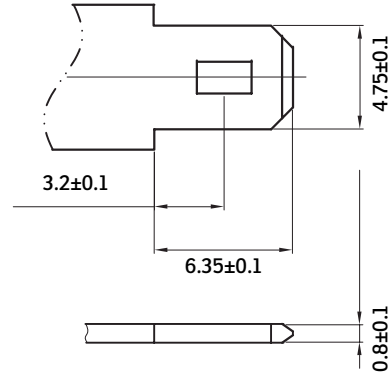
Floating &
standby use:
3-5 years

- 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

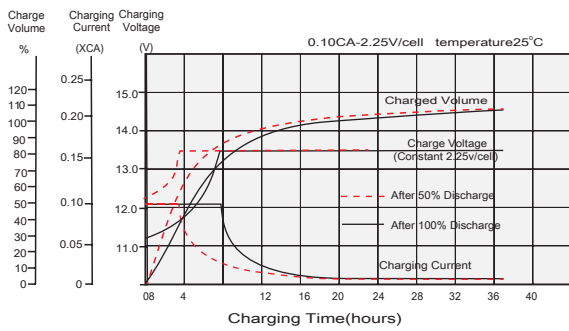
Dimensions (mm)



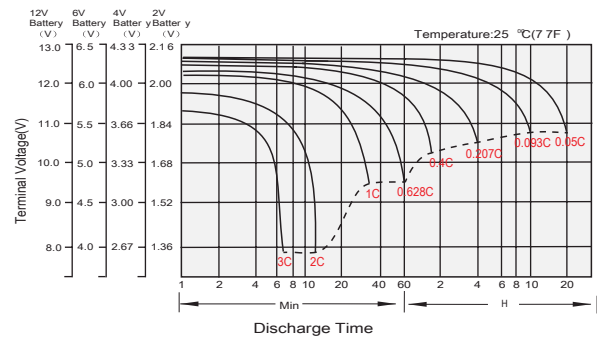
T1 (F1) Terminal Dimensions (mm)



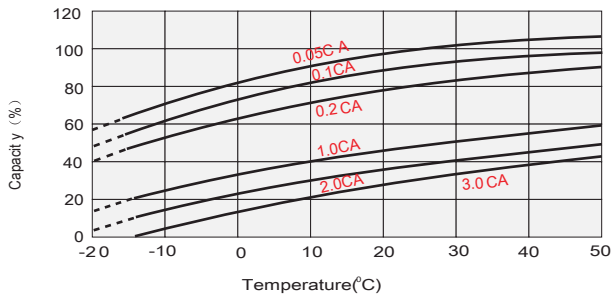
Float Charging Characteristics



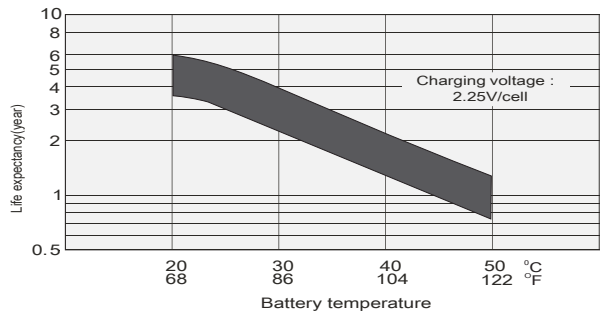
Discharge Characteristics



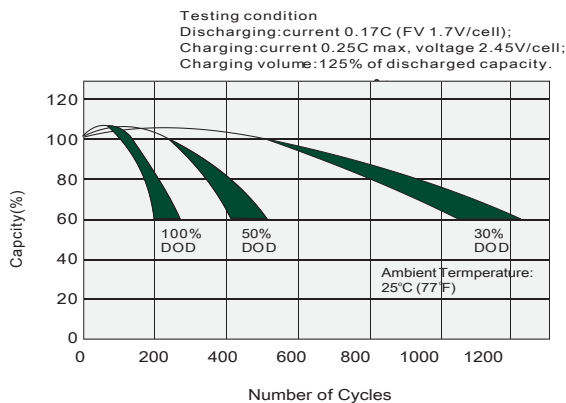
Temperature Effects in Relation to Battery Capacity



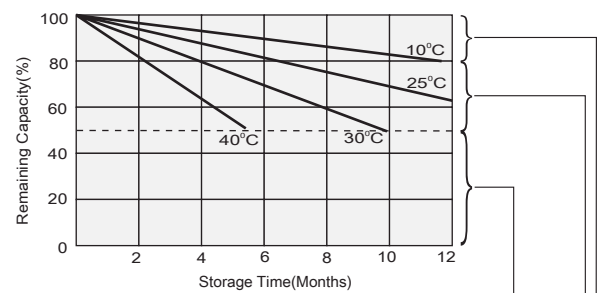
Effect of Temperature on Long Term Float Life



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 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	12.958	9.077	7.225	4.635	2.597	1.088	0.748	0.411	0.222
1.75V/cell	13.328	9.405	7.371	4.725	2.700	1.125	0.765	0.419	0.225
1.70V/cell	14.251	9.976	7.663	4.793	2.711	1.136	0.777	0.427	0.231
1.65V/cell	14.636	10.177	7.857	4.838	2.724	1.153	0.792	0.438	0.239
1.60V/cell	15.390	10.580	8.100	4.950	2.743	1.181	0.819	0.456	0.248






Constant Wattage Discharge Characteristics (W), 25°C

F.V/Ti	5min	10min	15min	30min	1Hr	3Hr	5Hr	10Hr	20Hr
1.80V/cell	23.131	16.439	13.352	8.603	4.839	2.040	1.419	0.808	0.438
1.75V/cell	24.203	17.174	13.747	8.878	5.081	2.126	1.464	0.829	0.448
1.70V/cell	26.122	18.437	14.413	9.082	5.175	2.178	1.506	0.856	0.462
1.65V/cell	27.003	18.940	14.952	9.269	4.977	2.232	1.549	0.888	0.486
1.60V/cell	28.502	19.837	15.512	9.563	5.344	2.306	1.613	0.936	0.511



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.: 13.5 kg / 14 kg

