GP4.5121F

PN: BTVACDUEATD1FCW01B
EAN: 6422956013684



Specifications

Battery Model	GP4.5121F
Voltage	12V
Power (1,65V/cell@15 min)	13.4W/cell
Type	Valve regulated lead–acid (VRLA), 6 cell, absorbent glass mat (AGM) - maintenance free
Designed Floating Life	Up to 5 years (25°C)
Nominal Operating Temp. Range	25°C ± 3°C
Terminal	T1
Construction	
Container & Cover	ABS
Safety valve	Rubber
Terminal	Copper
Internal Resistance	Full charged at 25°C ≤ 56mΩ
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

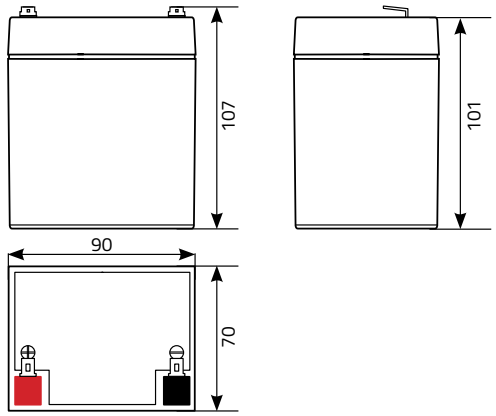
Completely sealed and maintenance-free

Excellent charging and re-charging

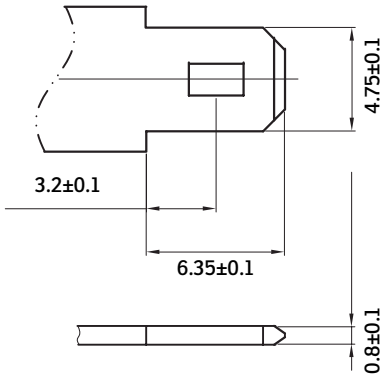
Floating & standby use: 5 years

- Small size battery
- Excellent charging and re-charging
- Stable and reliable for long-term
- Low self-discharge
- Floating & standby use: up to 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

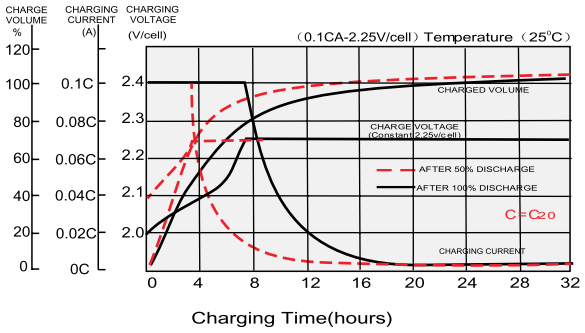
Dimensions (mm)



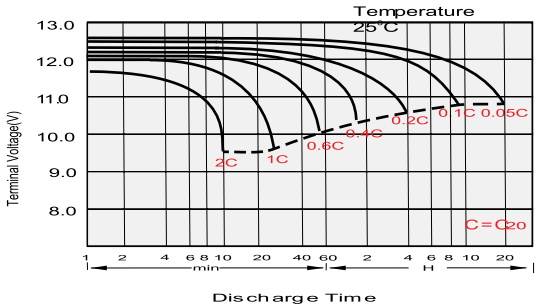
T1 (F1) Terminal Dimensions (mm)



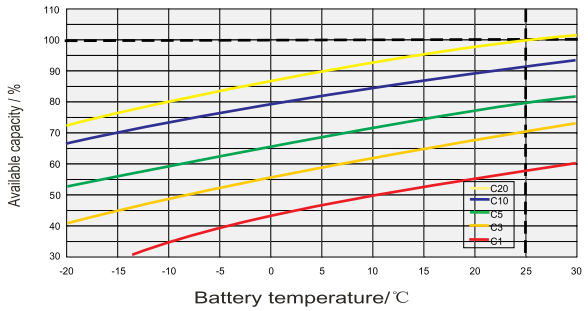
Float Charging Characteristics



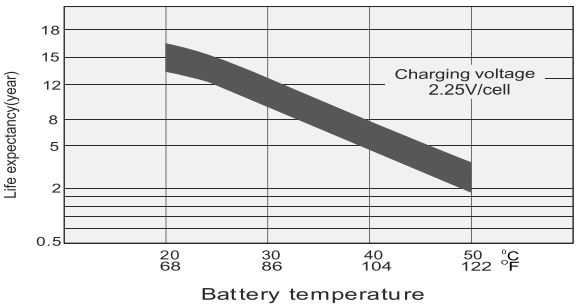
Discharge Characteristics



Temperature Effects in Relation to Battery Capacity

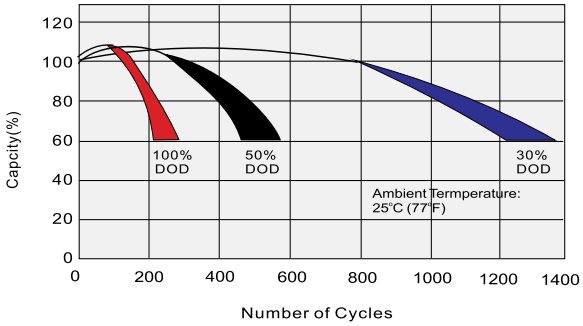


Effect of Temperature on Long Term Float Life

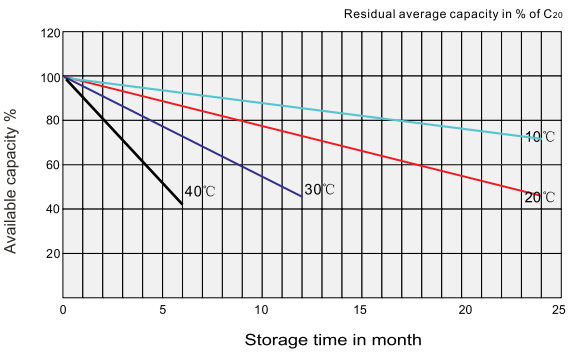


Cycle Life in Relation to Depth of Discharge

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.



General Relation of Capacity VS. Storage Time



Constant Current Discharge Characteristics (A), 25°C

F.V/Ti	5min	10min	15min	30min	1Hr	3Hr	5Hr	10Hr	20Hr
1.80V/cell	10.6	7.19	5.76	3.83	2.34	1.06	0.736	0.419	0.225
1.75V/cell	12.6	8.13	6.35	4.09	2.46	1.13	0.76	0.427	0.227
1.70V/cell	14.3	8.96	6.88	4.29	2.57	1.14	0.775	0.434	0.231
1.65V/cell	15.7	9.64	7.27	4.47	2.67	1.17	0.792	0.440	0.234
1.60V/cell	16.5	10.0	7.58	4.60	2.71	1.19	0.808	0.447	0.236

Constant Wattage Discharge Characteristics (W), 25°C

F.V/Ti	5min	10min	15min	30min	1Hr	3Hr	5Hr	10Hr	20Hr
1.80V/cell	19.8	13.6	11.0	7.41	4.58	2.10	1.46	0.838	0.452
1.75V/cell	23.2	15.2	12.0	7.86	4.80	2.16	1.49	0.849	0.453
1.70V/cell	26.0	16.6	12.9	8.20	4.97	2.22	1.52	0.858	0.459
1.65V/cell	28.3	17.6	13.4	8.48	5.15	2.27	1.55	0.866	0.463
1.60V/cell	29.2	18.1	13.9	8.62	5.22	2.31	1.57	0.876	0.464

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