

GPL07122F

PN: BTVACGUOBTC2FCN01B
EAN: 6422956010348

Specifications

Battery Model	GPL07122F
Voltage	12V
Power (1,65V/cell@15 min)	22.72W/cell
Type	Valve regulated lead-acid (VRLA), 6 cell, absorbent glass mat (AGM) - maintenance free
Designed Floating Life	Up to 8 years (25°C) Eurobat (20°C) : 10-12 years long life
Nominal Operating Temp. Range	25°C ± 3°C
Terminal	F2 terminal - Faston Tab 250
Construction	
Container & Cover	ABS
Safety valve	Rubber
Terminal	Copper
Internal Resistance	Full charged at 25°C ≤ 24mΩ
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: 2.25A
Float use	13.5V - 13.8V (-20mV/°C)
Physical	
Without Terminal	151 x 65 x 94 mm
With Terminal	151 x 65 x 100 mm
Product Weight	2.1 Kg



Completely
sealed and
maintenance-free



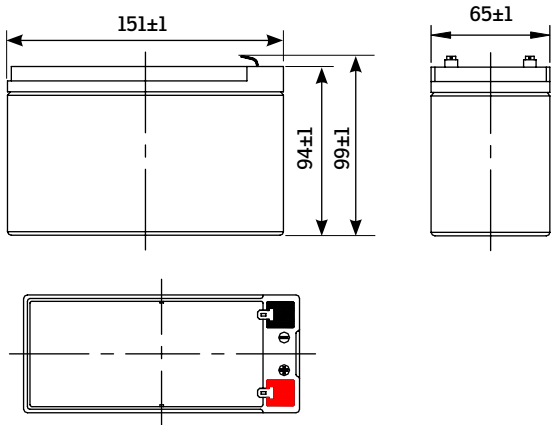
Excellent
charging and
re-charging



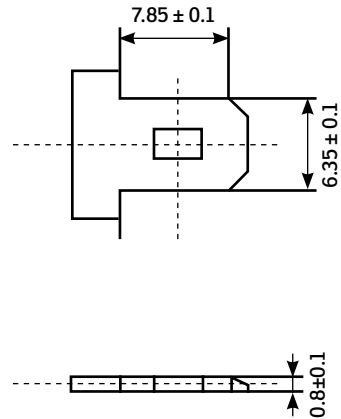
Long life, low self-
discharge rate and
high reliability 5-8
years

- Small size battery
- Excellent charging and re-charging
- Stable and reliable for long-term
- Low self-discharge
- Floating & standby use: 5-8 years
- More than 500 cycles at 100% DOD
- Multiple Application: Alarm and Security Systems, Cable Television, Communication Equipment, Power Tools, Control Equipment, Medical Equipment, UPS, Toys

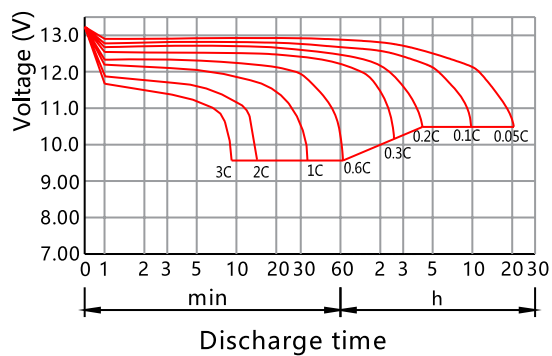
Dimensions (mm)



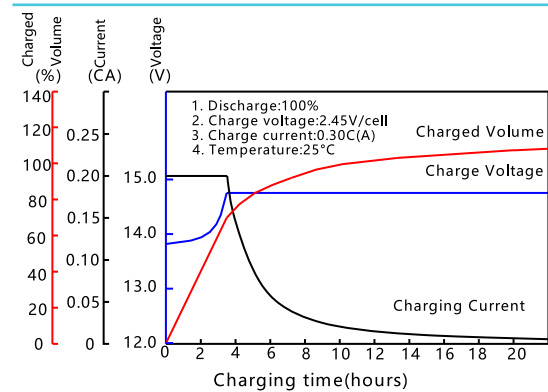
T2 (F2) Terminal Dimensions (mm)



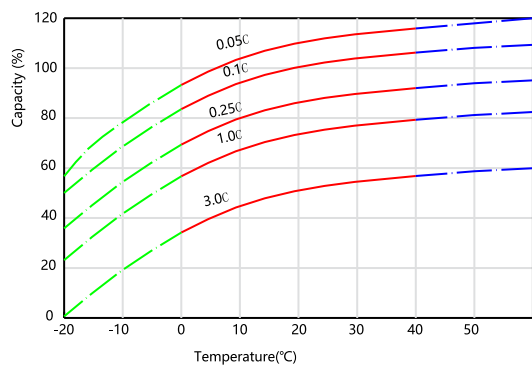
Float Charging Characteristics



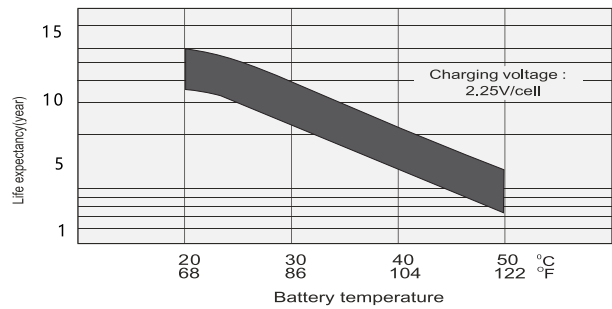
Discharge Characteristics



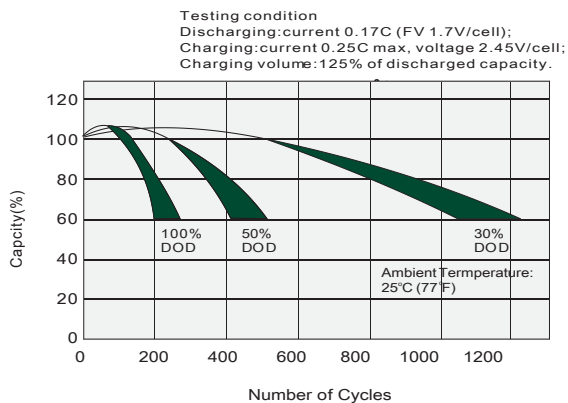
Temperature Effects in Relation to Battery Capacity



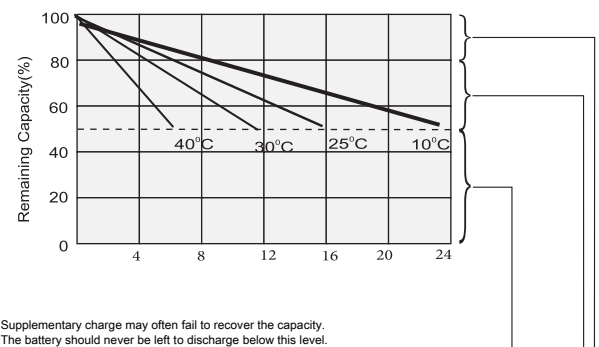
Effect of Temperature on Long Term Float Life



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 8-10hours 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	19.460	14.029	10.982	7.416	4.017	1.745	1.197	0.658	0.355
1.75V/cell	20.015	14.536	11.204	7.560	4.176	1.805	1.224	0.670	0.360
1.70V/cell	21.402	15.419	11.647	7.658	4.193	1.823	1.244	0.684	0.369
1.65V/cell	21.980	15.730	11.943	7.740	4.214	1.850	1.267	0.700	0.382
1.60V/cell	23.112	16.635	12.312	7.344	4.243	1.895	1.310	0.730	0.396






Constant Wattage Discharge Characteristics (W), 25°C

F.V/Ti	5min	10min	15min	30min	1Hr	3Hr	5Hr	10Hr	20Hr
1.80V/cell	38.848	29.997	23.990	15.570	9.510	4.237	2.271	1.293	0.700
1.75V/cell	40.285	30.798	24.427	15.775	9.553	4.310	2.343	1.326	0.716
1.70V/cell	41.908	31.613	24.860	15.977	9.595	4.380	2.410	1.370	0.740
1.65V/cell	44.012	32.108	25.215	16.100	9.620	4.422	2.478	1.421	0.777
1.60V/cell	48.478	33.283	26.310	16.383	9.677	4.513	2.580	1.497	0.817



Logistics

	Carton Box Size	346 x 316 x 121 mm
	Pieces in the Carton Box	10 pcs / ctn
	Net & Gross weight / CTN	N.W. / G.W.: 21 kg / 21.8 kg

