GP12122F

PN: BTVACATBDTE2FCW01B
EAN: 6422956013714



Specifications

Battery Model	GP12122F
Voltage	12V
Power (1,65V/cell@15 min)	44.5W/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	F2/T2
Construction	
Container & Cover	ABS
Safety valve	Rubber
Terminal	Copper
Internal resistance	Full charged at 25°C ≤ 18mΩ
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: 3.6A
Float use	13.5V - 13.8V (-20mV/°C)
Physical	
Without Terminal	151 x 98 x 95 mm
With Terminal	151 x 98 x 101 mm
Product Weight	3.3 Kg

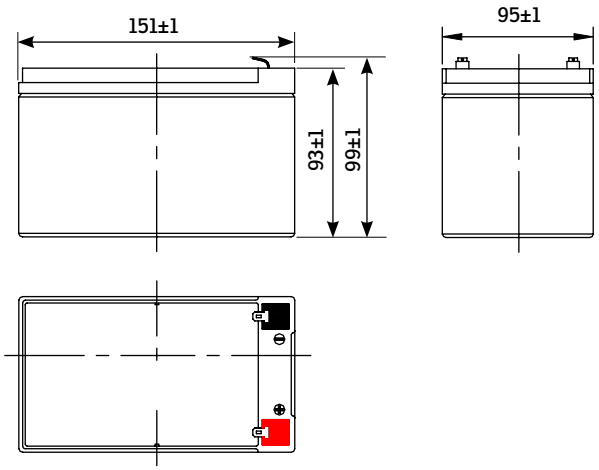
Completely sealed and maintenance-free

Excellent charging and re-charging

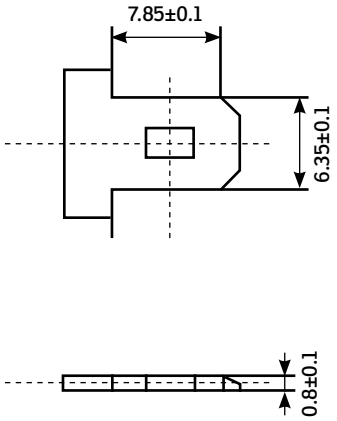
Floating & standby use: 5 years

- 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

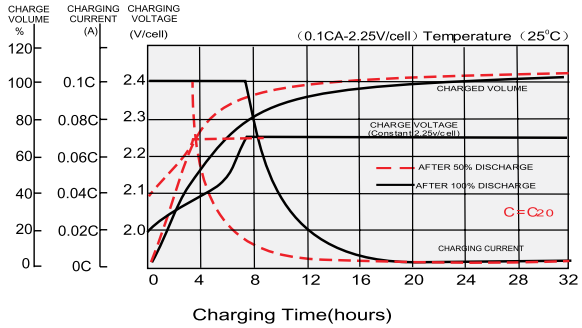
Dimensions (mm)



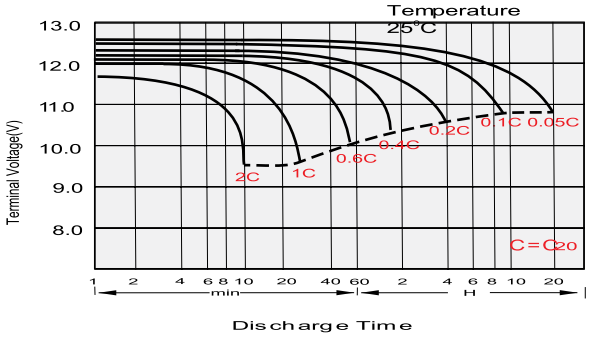
T2 (F2) Terminal Dimensions (mm)



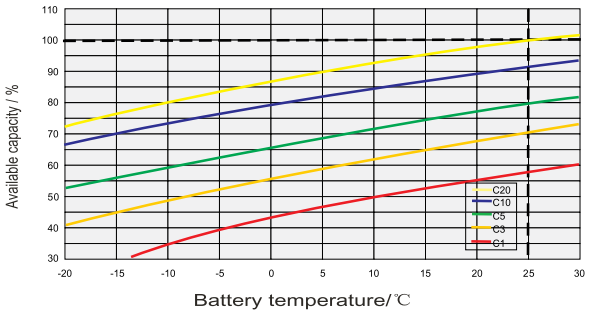
Float Charging Characteristics



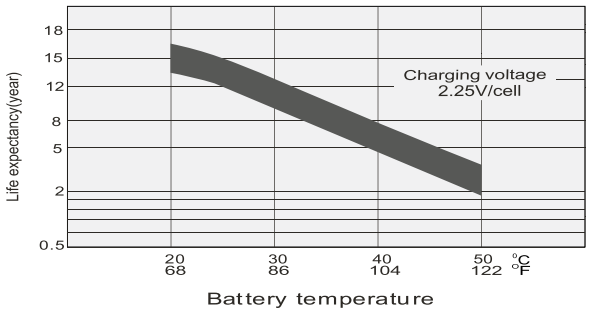
Discharge Characteristics



Temperature Effects in Relation to Battery Capacity

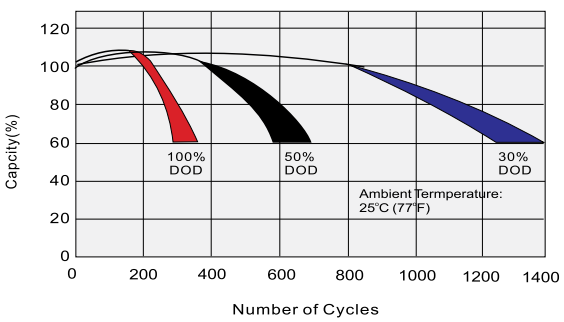


Effect of Temperature on Long Term Float Life

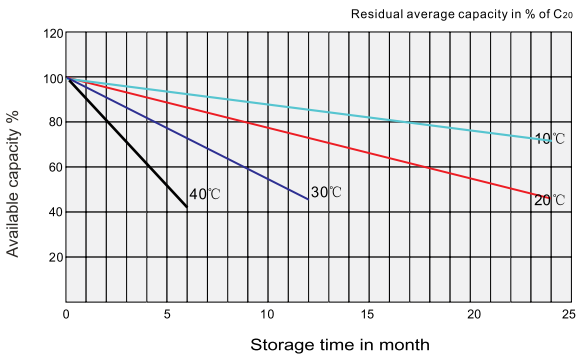


Cycle Life in Relation to Depth of Discharge

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	40.1	28.3	20.7	14.0	7.40	3.30	2.24	1.20	0.64
1.75V/cell	51.2	30.0	22.3	14.5	7.65	3.34	2.27	1.21	0.64
1.70V/cell	55.0	31.0	22.9	14.8	7.76	3.37	2.3	1.22	0.65
1.65V/cell	59.0	31.9	23.4	14.9	7.80	3.41	2.32	1.23	0.66
1.60V/cell	60.9	32.3	23.7	15.0	7.82	3.43	2.34	1.24	0.67

Constant Wattage Discharge Characteristics (W), 25°C

F.V/Ti	5min	10min	15min	30min	1Hr	3Hr	5Hr	10Hr	20Hr
1.80V/cell	76.3	50.8	40.0	28.5	15.50	6.58	4.52	2.43	1.31
1.75V/cell	89.6	56.8	42.1	29.2	15.84	6.68	4.58	2.46	1.32
1.70V/cell	100.0	58.7	43.6	29.6	15.95	6.75	4.62	2.47	1.33
1.65V/cell	107.3	60.5	44.5	29.8	16.04	6.81	4.65	2.48	1.34
1.60V/cell	110.1	61.2	45.0	30.0	16.10	6.84	4.67	2.49	1.35

Logistics

Carton Box Size	320 x 210 x 117 mm
Pieces in the Carton Box	6 pcs / ctn
Net & Gross weight / CTN	N.W. / G.W.: 19.8 kg / 20.1 kg