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SG1290T2 ▶ 12V9Ah

SG1290T2 is a general purpose battery up to 5 years in standby service or more than 260 cycles at 100% discharge in cycle service. As with all Baace batteries, all are rechargeable, highly efficient, leak proof and maintenance free.

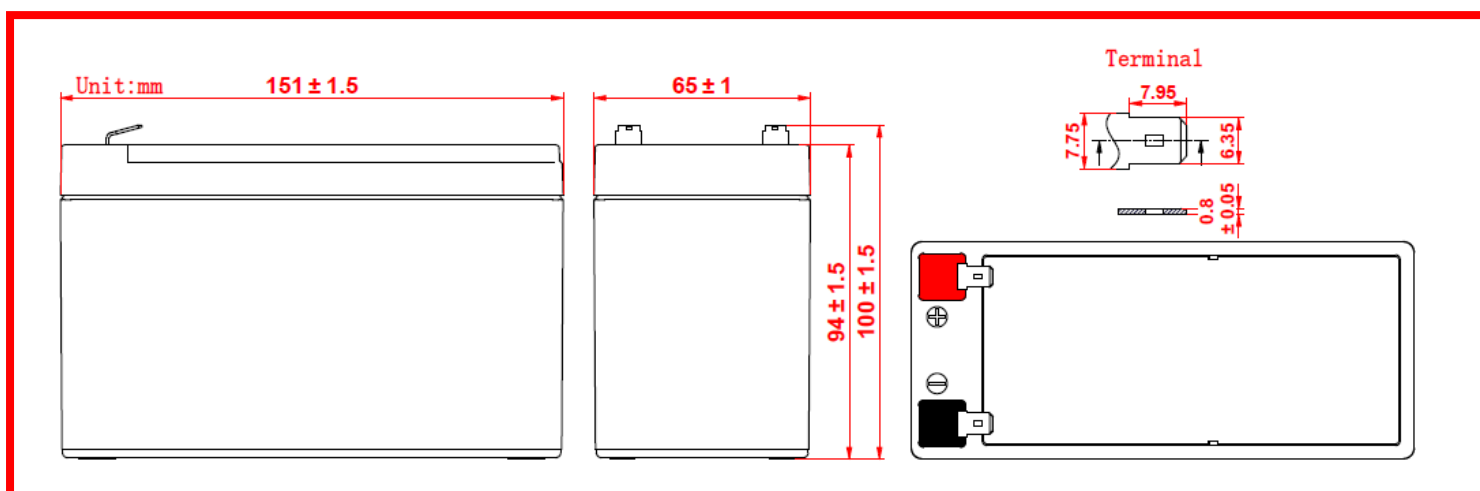


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Nominal Voltage	12V
Nominal Capacity(C20@1.75V @25°C)	9Ah
Approx Weight	2.5kg ±5%
Max. Discharge Current	135.00A(5s)
Internal Resistance(25°C)	Approx 19.0 mΩ (Fully charged)
Operating Temp. Range	Discharge: -15°C~50°C (5°F~122°F) Charge: -15°C~40°C (5°F~104°F) Storage: -15°C~40°C (5°F~104°F)
Nominal Operating Temp. Range	25°C ±3°C (77°F±5°F)
Max.Charging Current(25°C)	2.70A
Float voltage	13.5~13.8V@25°C(77°F)
Equalizing voltage	14.4~15.0V@25°C(77°F)
Terminal	T2
Container Material	ABS(UL 94-HB)

► Dimensions :

Length (L)	Width (W)	Container height (h)	Overall Height (H)
151±1.5	65±1.0	94±1.5	100±1.5



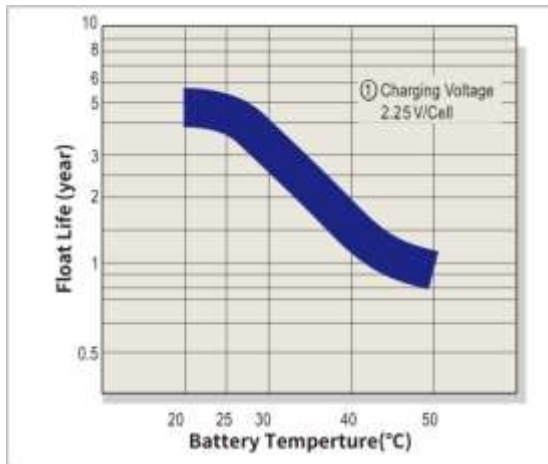
Constant Current Discharge Characteristics Unit: A (25oC,77oF)

F.V/Time	5min	15min	30min	1h	3h	5h	10h	20h
1.60V/cell	31.2	15.2	8.83	5.49	2.37	1.59	0.868	0.464
1.67V/cell	28.7	14.5	8.58	5.36	2.33	1.57	0.855	0.458
1.70V/cell	27.5	14.3	8.45	5.31	2.3	1.56	0.849	0.455
1.75V/cell	25.6	13.8	8.27	5.22	2.28	1.53	0.84	0.45
1.80V/cell	23.8	13.2	8.07	5.13	2.24	1.52	0.828	0.446
1.85V/cell	21.9	12.7	7.87	5.03	2.21	1.49	0.819	0.441

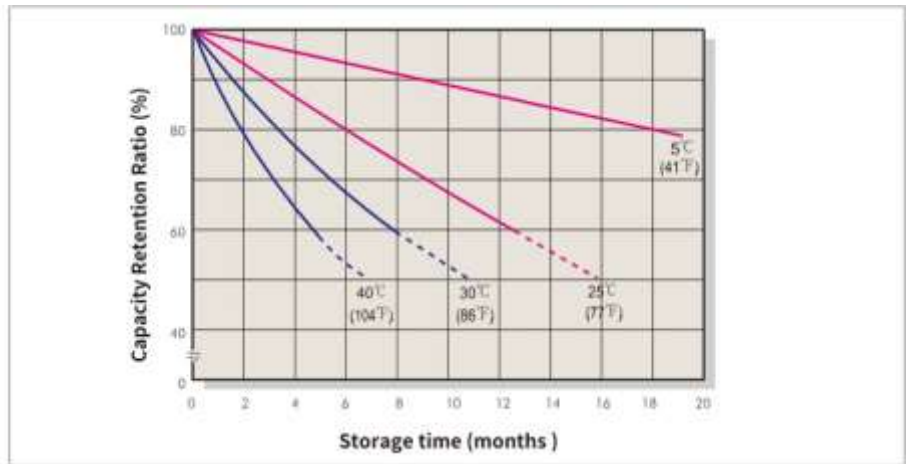
Constant Power Discharge Characteristics Unit: W (25oC,77oF)

F.V/Time	5min	15min	30min	1h	3h	5h	10h	20h
1.60V/cell	57.5	28.4	16.7	10.5	4.62	3.12	1.72	0.928
1.67V/cell	53.2	27.4	16.3	10.31	4.54	3.07	1.7	0.915
1.70V/cell	51.3	26.9	16.1	10.22	4.5	3.05	1.68	0.909
1.75V/cell	48.1	26.1	15.8	10.08	4.45	3.02	1.66	0.9
1.80V/cell	44.7	25.3	15.6	9.94	4.4	2.98	1.65	0.891
1.85V/cell	41.5	24.6	15.2	9.78	4.33	2.94	1.63	0.882

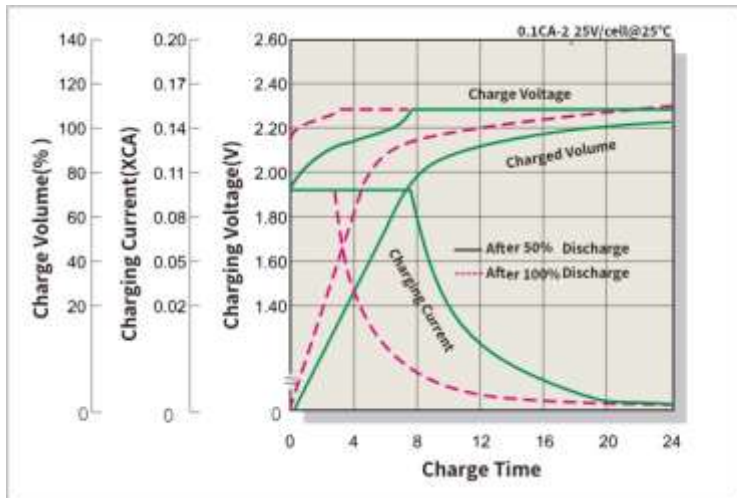
Temperature Effects on Long Term Float Life



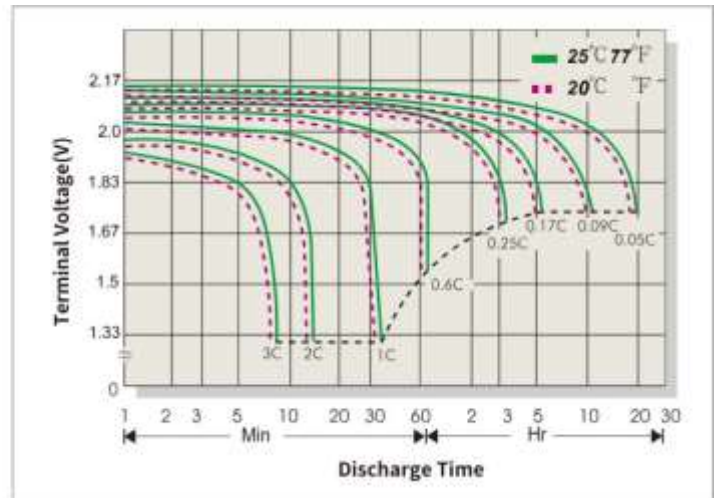
The effect of temperature on capacity



Float Charging Characteristic



Discharge characteristics



The effect of temperature on capacity(20HR)

Temperature	Capacity(20HR)
40 °C	102%
25 °C	100%
0 °C	85%
-15 °C	65%

Self-discharge characteristics

Storage time	The remaining capacity
3 Months	91%
6 Months	82%
12 Months	64%

*Values are subject to variation of +/- 5% in normal manufacturing processes.

*Technical specifications and the product line above could be changed without prior notice.

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