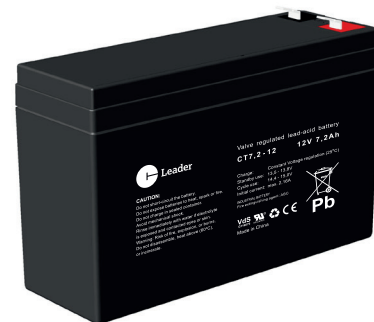


Specification

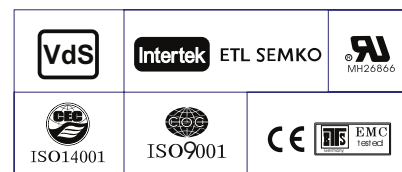
Code:460-6080-1

Nominal Voltage	12V
Nominal Capacity(20HR)	7.2AH
Dimension	Length 151±2mm (5.94 inches)
	Width 65 ± 1mm (2.56 inches)
	Container Height 93.5±1mm (3.68 inches)
	Total Height (with Terminal) 99.5±1mm (3.92 inches)
Approx Weight	Approx 2.5 kg (5.51lbs)
Terminal	T2
Container Material	ABS
Rated Capacity	7.20 AH/0.360A (20hr, 1.75V/cell, 25°C/77°F)
	6.81 AH/0.681A (10hr, 1.75V/cell, 25°C/77°F)
	6.30 AH/1.26A (5hr, 1.75V/cell, 25°C/77°F)
	5.88 AH/1.96A (3hr, 1.75V/cell, 25°C/77°F)
	5.35AH/5.35A (1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	108A (5s)
Internal Resistance	Approx 20mΩ
Operating Temp.Range	Discharge : -15~50°C (5~122°F)
	Charge : 0~40°C (32~104°F)
	Storage : -15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)
Cycle Use	Initial Charging Current less than 2.16A. Voltage 14.4V~15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C (77°F) Temp. Coefficient -20mV/°C
Capacity affected by Temperature	40°C (104°F) 103%
	25°C (77°F) 100%
	0°C (32°F) 86%
Self Discharge	CT series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.



Applications

- ◆ Uninterruptable Power Supply (UPS)
- ◆ Electric Power System (EPS)
- ◆ Emergency backup power supply
- ◆ Emergency light
- ◆ Railway signal
- ◆ Aircraft signal
- ◆ Alarm and security system
- ◆ Electronic apparatus and equipment
- ◆ Communication power supply
- ◆ DC power supply
- ◆ Auto control system



Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	26.5	18.2	13.9	11.2	8.27	5.98	4.84	3.49	2.70	1.90	1.48	1.23	1.03	0.814	0.665	0.352
1.80V/cell	28.5	19.2	14.6	11.7	8.53	6.14	4.96	3.56	2.75	1.93	1.50	1.25	1.05	0.825	0.674	0.356
1.75V/cell	30.0	20.0	15.1	12.0	8.75	6.27	5.06	3.63	2.80	1.96	1.52	1.26	1.06	0.834	0.681	0.360
1.70V/cell	31.4	20.8	15.6	12.4	8.97	6.41	5.16	3.69	2.84	1.99	1.54	1.28	1.07	0.843	0.688	0.363
1.67V/cell	32.5	21.4	15.9	12.6	9.10	6.52	5.24	3.74	2.87	2.01	1.56	1.29	1.08	0.850	0.693	0.366
1.60V/cell	34.5	22.3	16.5	13.0	9.40	6.68	5.35	3.82	2.93	2.05	1.58	1.31	1.10	0.862	0.702	0.370

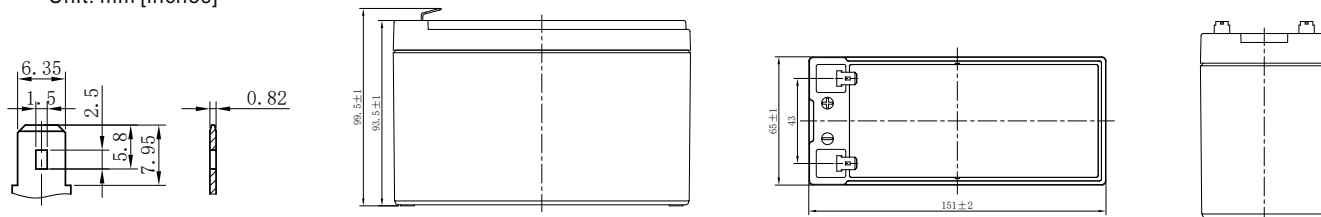
Constant Power Discharge (Watts/cell) at 25°C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	50.1	34.5	26.6	21.6	16.0	11.6	9.40	6.81	5.28	3.74	2.92	2.43	2.04	1.61	1.32	0.704
1.80V/cell	53.3	36.4	27.7	22.4	16.4	11.9	9.60	6.93	5.36	3.79	2.95	2.46	2.07	1.64	1.34	0.712
1.75V/cell	55.6	37.6	28.5	22.9	16.8	12.1	9.80	7.04	5.44	3.84	2.99	2.49	2.09	1.65	1.35	0.720
1.70V/cell	57.6	38.8	29.3	23.4	17.1	12.3	9.90	7.14	5.51	3.89	3.02	2.52	2.12	1.67	1.36	0.726
1.67V/cell	59.2	39.7	29.9	23.8	17.4	12.5	10.1	7.22	5.56	3.92	3.05	2.53	2.13	1.68	1.37	0.732
1.60V/cell	61.5	40.8	30.7	24.4	17.7	12.7	10.2	7.34	5.65	3.98	3.09	2.57	2.16	1.70	1.39	0.740

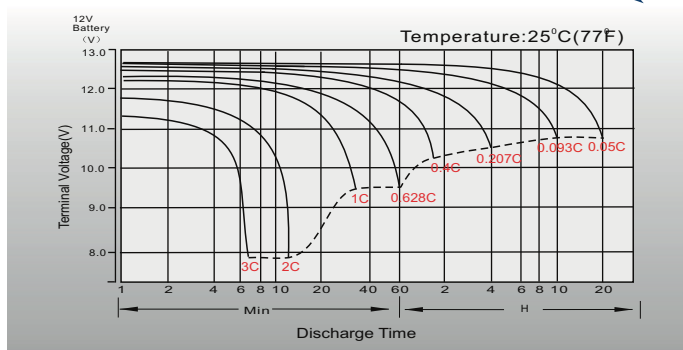
Dimensions

T2 Terminal

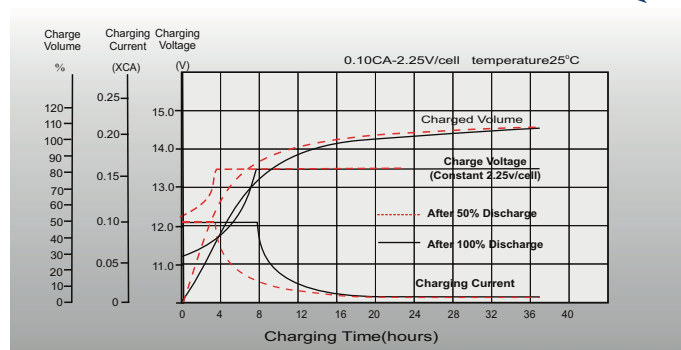
Unit: mm [inches]



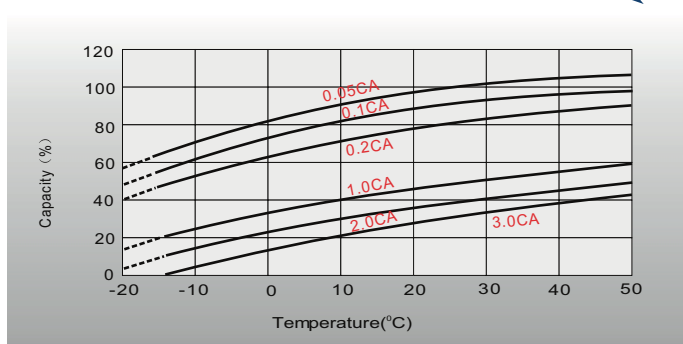
Discharge Characteristics



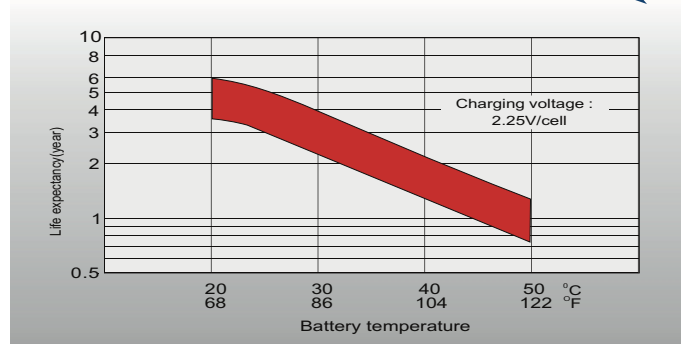
Float Charging Characteristics



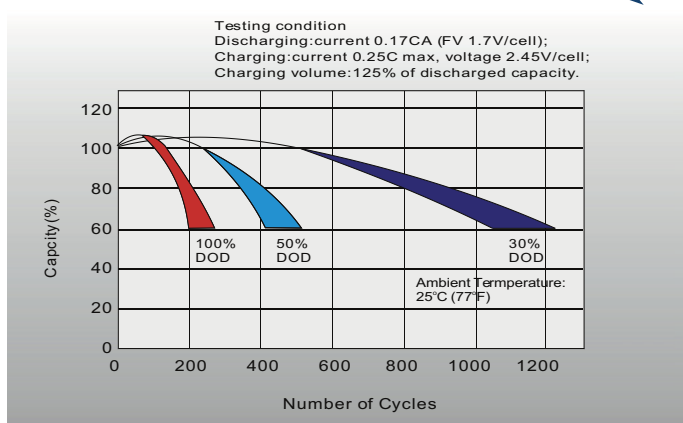
Temperature Effects in Relation to Battery Capacity



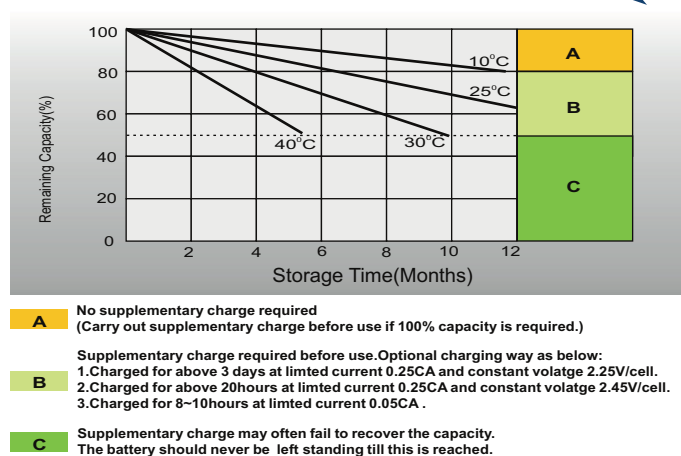
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



Sales Office

For more information and the contact details of the local suppliers,
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