

Powered by



# XTV1272

▶ 12V 7.2Ah

XTV 1272 is a general battery up to 12 years expected life in standby service or more than 260 cycles at 100% discharge in cycle service . XTV has a wider operating temperature range, which makes them more suitable for the systems in harsh conditions.



## ► Specification

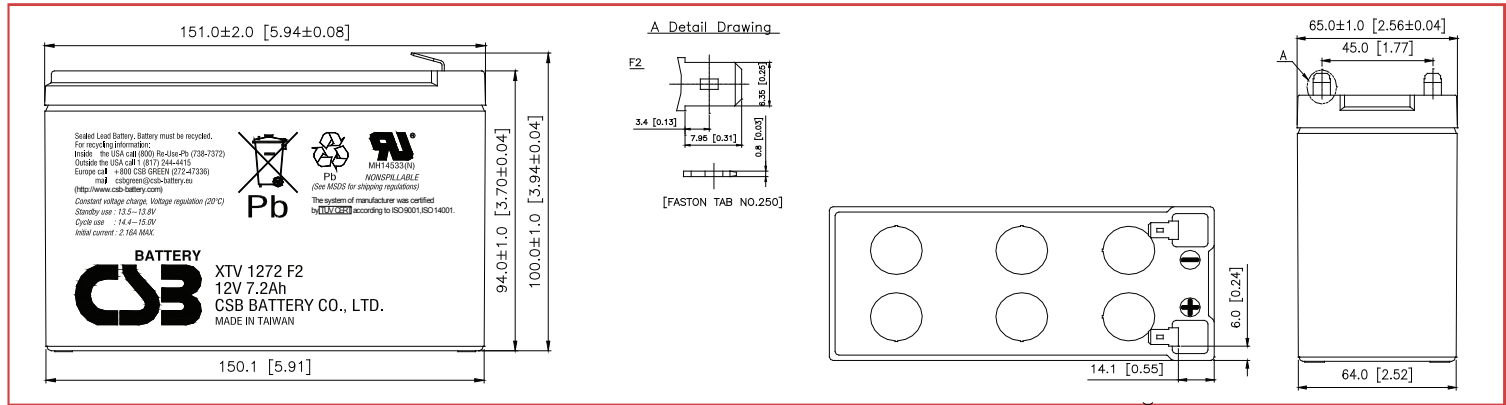
<b>Cells Per Unit</b>	6
<b>Voltage Per Unit</b>	12
<b>Capacity</b>	7.2Ah @ 20hr-rate to 1.75V per cell @25°C (77°F)
<b>Weight</b>	Approx. 2.57 kg(5.67 lbs)
<b>Maximum Discharge Current</b>	130A(5sec)
<b>Internal Resistance</b>	Approx. 21mΩ
<b>Operating Temperature Range</b>	Discharge: -20°C~50°C (-4°F~122°F) Charge: -20°C~50°C (-4°F~122°F) Storage: -20°C~50°C (-4°F~122°F)
<b>Nominal Operating Temperature Range</b>	25°C±3°C (77°F±5°F)
<b>Float Charging Voltage</b>	13.5 to 13.8 VDC/unit Average at 25°C (77°F)
<b>Recommended Maximum Charging Current Limit</b>	2.16A
<b>Equalization and Cycle Service</b>	14.4 to 15.0 VDC/unit Average at 25°C (77°F)
<b>Self Discharge</b>	CSB Batteries can be stored for more than 6 months at 25°C(77°F). Please charge batteries before using . For higher temperatures the time interval will be shorter.
<b>Terminal</b>	F2-Faston Tab 250
<b>Container Material</b>	ABS(UL 94-HB) & Flammability resistance of (UL 94-V0) can be available upon request.



CSB-manufactured VRLA batteries are UL-recognized components under UL924 and UL1989.

CSB is also certified by ISO 9001 and ISO 14001.

Dimensions :	Overall Height (H)	Container height (h)	Length (L)	Width (W)
Unit: mm (inch)	100.0±1.0 (3.94±0.04)	94.0±1.0 (3.70±0.04)	151.0±2.0 (5.94±0.08)	65.0±1.0 (2.56±0.04)



### Constant Current Discharge Characteristics Unit:A (25°C,77°F)

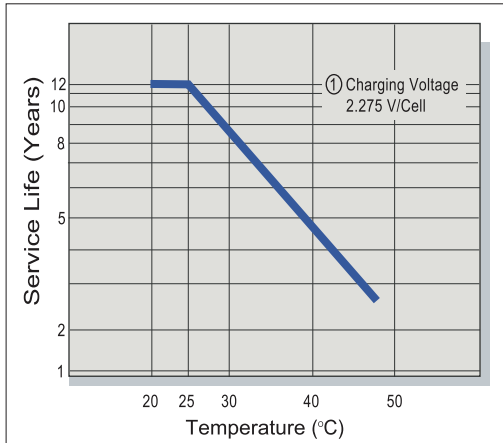
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	27.7	17.7	13.4	7.94	4.60	3.35	2.67	1.93	1.25	0.88	0.71	0.38
1.67V	26.8	17.4	13.3	7.87	4.47	3.28	2.63	1.89	1.24	0.87	0.70	0.38
1.70V	25.8	17.1	13.2	7.81	4.41	3.24	2.61	1.89	1.23	0.86	0.70	0.38
1.75V	24.6	16.4	12.9	7.74	4.31	3.21	2.60	1.88	1.22	0.84	0.69	0.37
1.80V	21.8	15.4	12.3	7.52	4.22	3.16	2.57	1.86	1.21	0.82	0.68	0.37
1.85V	18.3	13.9	11.2	7.10	4.10	3.06	2.48	1.79	1.19	0.80	0.66	0.36

### Constant Power Discharge Characteristics Unit:W (25°C,77°F)

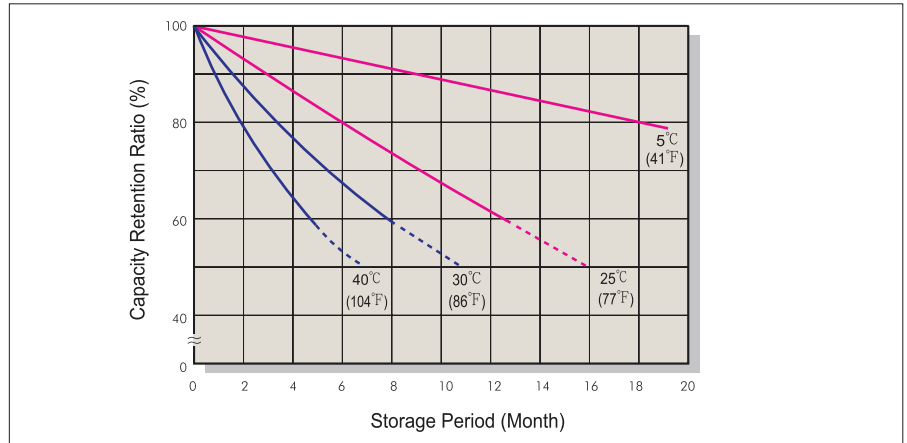
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	299	193	149	89.8	54.8	40.0	32.1	23.1	15.2	10.3	8.64	4.68
1.67V	290	190	148	89.3	54.7	39.9	31.9	23.0	15.1	10.2	8.62	4.62
1.70V	282	188	147	88.8	54.5	39.8	31.8	22.9	15.0	10.1	8.59	4.60
1.75V	264	182	145	88.1	53.8	39.5	31.7	22.8	14.9	10.0	8.55	4.55
1.80V	239	173	138	86.3	53.2	39.1	31.4	22.7	14.8	9.92	8.50	4.50
1.85V	206	160	128	82.3	51.8	37.8	30.2	21.9	14.7	9.84	8.26	4.44

Ratings presented herein are subject to revision without notice. Please refer to [www.csb-battery.com](http://www.csb-battery.com) to confirm the latest version.

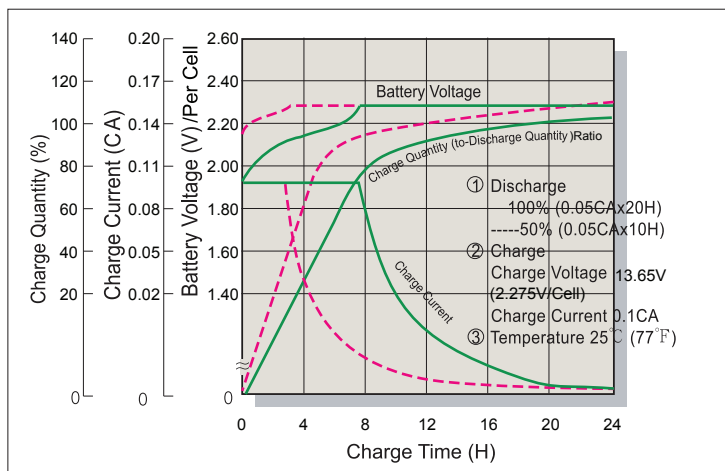
### Trickle (or Float) Service Life



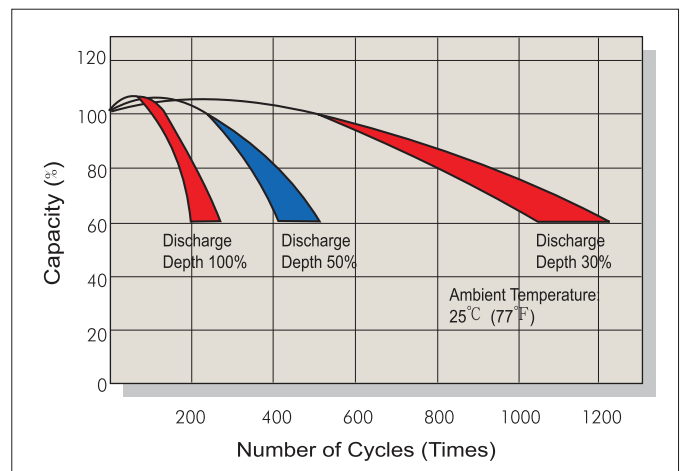
### Capacity Retention Characteristic



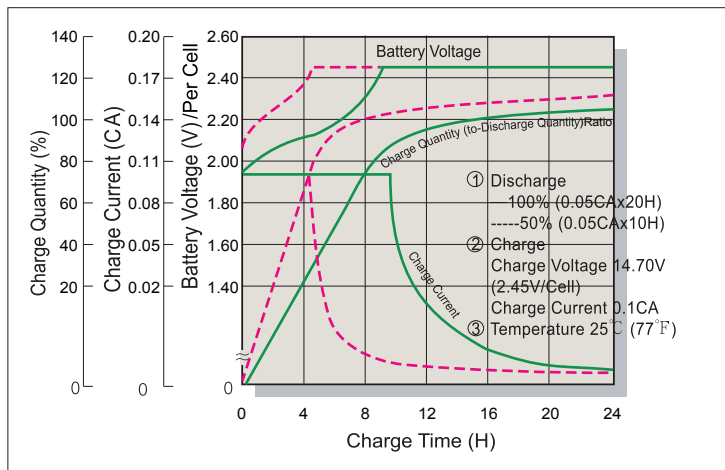
### Battery Voltage and Charge Time for Standby Use



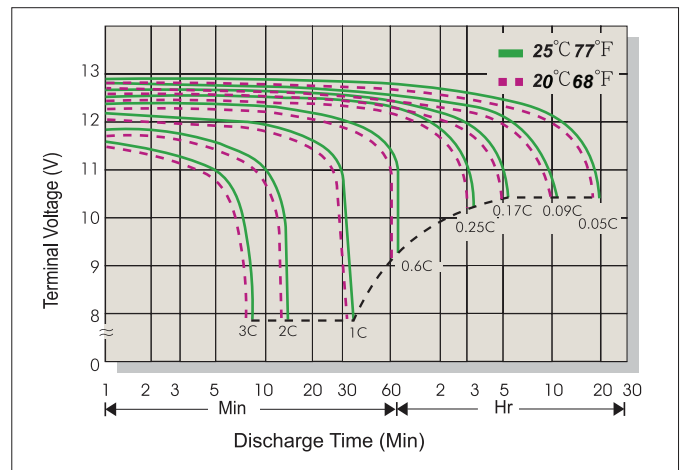
### Cycle Service Life



### Battery Voltage and Charge Time for Cycle Use



### Terminal Voltage (V) and Discharge Time



### Charging Procedures

Application	Charge Voltage(V/Cell)			Max. Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.3C
Standby	25°C(77°F)	2.275	2.25~2.30	

### Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C

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