

Powered by



XTV 12550

▶ 12V 55AH

XTV 12550 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

Cells Per Unit	6
Voltage Per Unit	12
Capacity	55AH @ 20hr-rate to 1.75V per cell @ 25°C(77°F)
Weight	Approx. 17.9 kg(39.5 lbs)
Maximum Discharge Current	300A(5sec)
Internal Resistance	Approx. 5.0mΩ
Operating Temperature Range	Discharge: -20°C~50°C (-4°F~122°F) Charge: -20°C~50°C (-4°F~122°F) Storage: -15°C~40°C (5°F~104°F)
Nominal Operating Temperature Range	25°C±3°C (77°F±5°F)
Float Charging Voltage	13.5 to 13.8 VDC/unit Average at 25°C (77°F)
Recommended Maximum Charging Current Limit	16.5A
Equalization and Cycle Service	14.4 to 15.0 VDC/unit Average at 25°C (77°F)
Self Discharge	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.
Terminal	I2-Thread lead alloy recessed terminal to accept M6 bolt
Container Material	Polypropylene(UL 94-HB) & Flammability resistance of (UL 94-V0) can be available upon request.

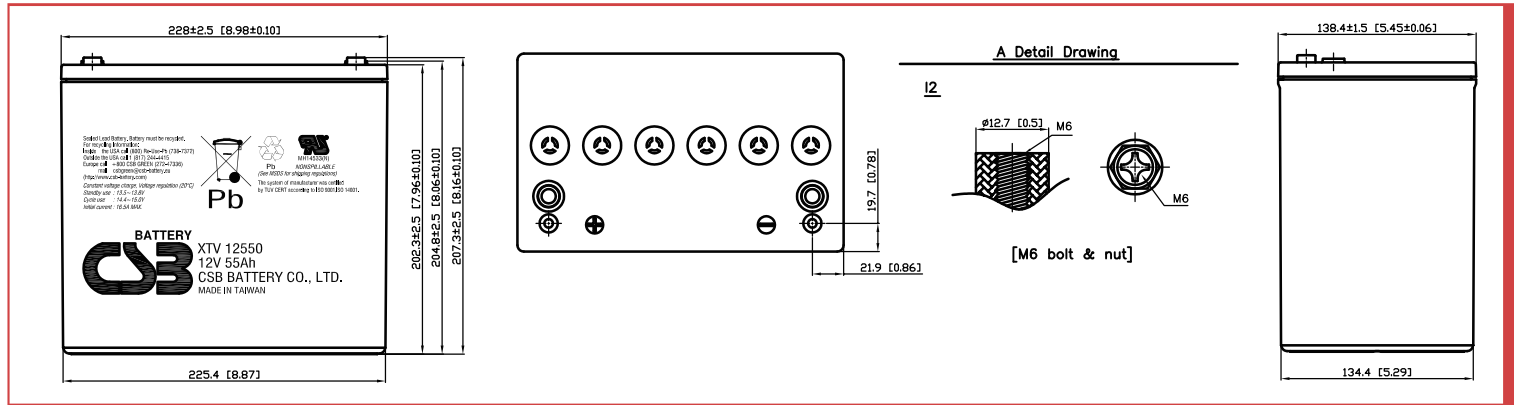


CSB-manufactured **VRLA** (Absorbent Glass Mat type) batteries are UL-recognized components under UL1989.

CSB is also certified by ISO 9001 and ISO 14001.

► Dimensions :

Unit: mm (inch)	Overall Height (H)	Container height (h)	Length (L)	Width (W)
	207.3±2.5 (8.16±0.10)	202.3±2.5 (7.96±0.10)	228.0±2.5 (8.98±0.10)	138.4±1.5 (5.45±0.06)



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

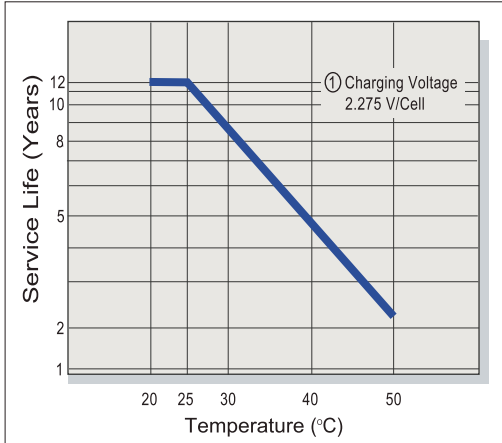
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	247	166	123	71.8	41.0	29.0	22.7	16.2	10.6	6.89	5.58	2.84
1.67V	227	159	119	70.1	40.0	28.5	22.5	16.1	10.5	6.83	5.55	2.80
1.70V	216	155	117	69.5	39.7	28.3	22.4	16.0	10.4	6.74	5.48	2.79
1.75V	194	144	112	67.9	39.4	28.0	22.1	15.8	10.3	6.70	5.41	2.75
1.80V	172	130	105	64.9	38.1	27.3	21.7	15.4	10.1	6.54	5.31	2.73
1.85V	152	113	92.5	60.6	36.2	26.1	20.8	14.8	9.68	6.28	5.09	2.64

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

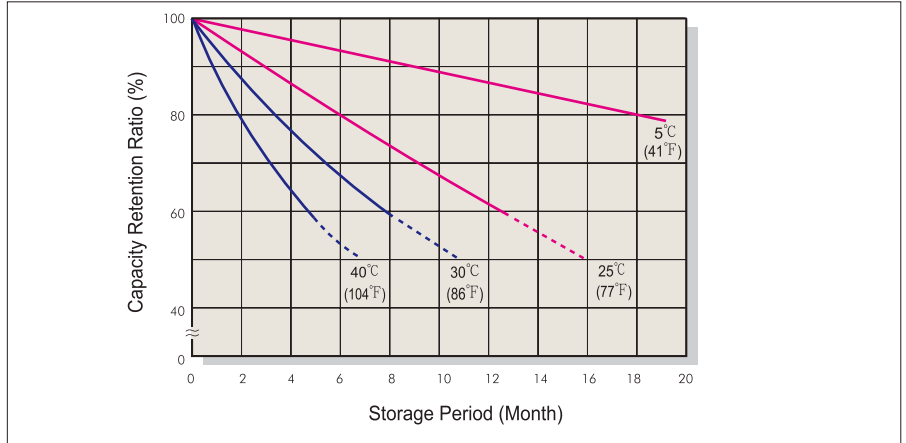
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	2402	1693	1310	786	460	332	264	188	123	80.9	66.0	34.6
1.67V	2227	1642	1283	780	458	331	261	187	122	80.2	65.6	34.4
1.70V	2150	1590	1268	770	454	330	260	186	121	79.7	65.1	34.2
1.75V	2010	1519	1221	761	451	327	259	185	120	78.7	64.2	33.9
1.80V	1879	1411	1147	734	443	321	255	182	118	77.7	63.4	33.4
1.85V	1613	1279	1030	688	419	309	245	175	115	74.8	61.1	32.3

Ratings presented herein are subject to revision without notice. Please refer to www.csb-battery.com to confirm the latest version.

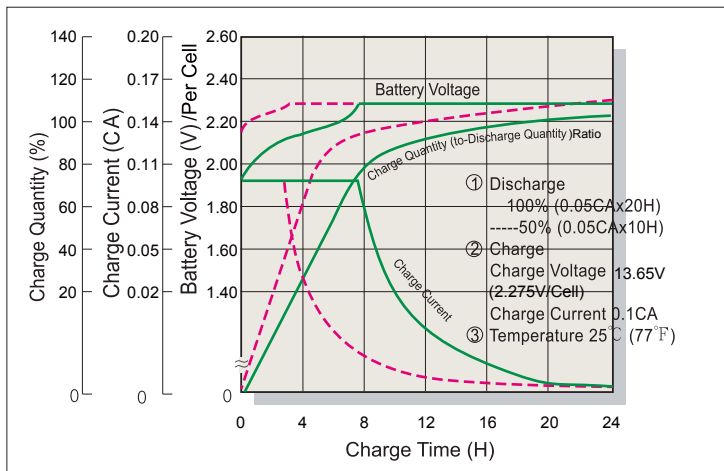
Trickle (or Float) Service Life



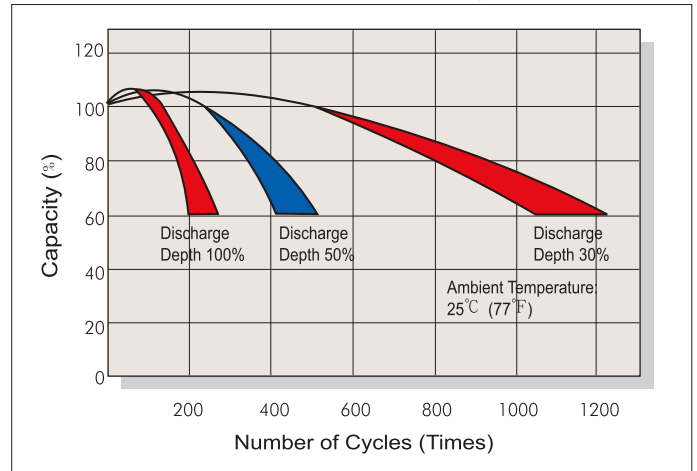
Capacity Retention Characteristic



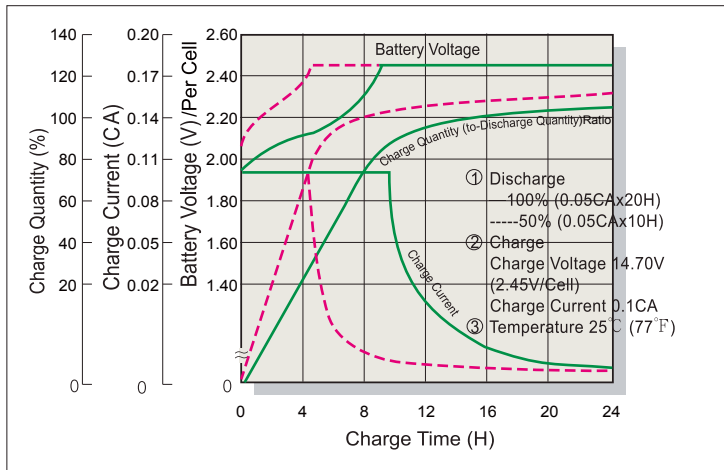
Battery Voltage and Charge Time for Standby Use



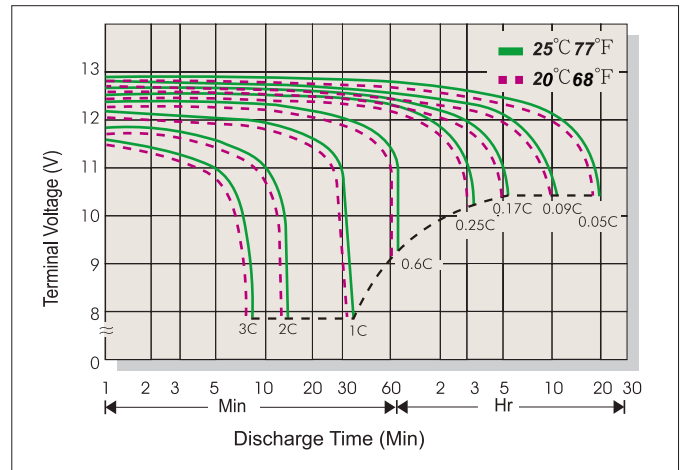
Series Cycle Service Life



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

Sales Office URL: WWW.CSB-BATTERY.COM

GLOBAL HQ
CSB BATTERY CO., LTD. (TAIWAN)
 Tel : +886-2-2880-5600
 Fax : +886-2-2888-3300
 mail : service@csb-battery.com.tw

BEIJING OFFICE. (CHINA)
CSB BATTERY TECHNOLOGIES (BEIJING) CO., LTD.
 Tel : +86-10-5820-5336/5338
 Fax : +86-10-58203053
 mail : chinasl@csb-battery.com

AMERICA HQ
CSB BATTERY TECHNOLOGIES INC. (U.S.A)
 Tel : +1-817-244-7777/1-(800)3-CSB-USA(272872)
 Fax : +1-817-244-4445
 mail : csb@csb-battery.com

SHANGHAI OFFICE. (CHINA)
CSB BATTERY LOGISTIC (SHANGHAI) CO., LTD.
 Tel : +86-21-5046-1622/5046-0833
 Fax : +86-21-5064-1046
 mail : chinasl@csb-battery.com

EUROPE HQ
CSB Battery Europe BV.
 Tel : +31(0)-180-418-140
 Fax : +31(0)-180-418-327
 mail : eurosales@csb-battery.eu

SHENZHEN OFFICE. (CHINA)
CSB BATTERY LOGISTIC (SHANGHAI) CO., LTD.
 Tel : +86-755-8831-6488/6396/6356
 Fax : +86-755-8831-6548
 mail : she@csb-battery.com.cn