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XTV12950 ▶ 12V 95Ah

XTV 12950 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	95 Ah @ 10hr-rate to 1.80 V per cell @25°C (77°F)
Weight	Approx. 32.8 kg(72.31 lbs)
Maximum Discharge Current	800A(5sec)
Internal Resistance	Approx. 3.8mΩ
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	28.5A
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/M8 bolt
Container Material	PP (UL 94-V0) & Flammability resistance of (UL 94-HB) can be available upon request.



MH14533(N)



No.:041005117

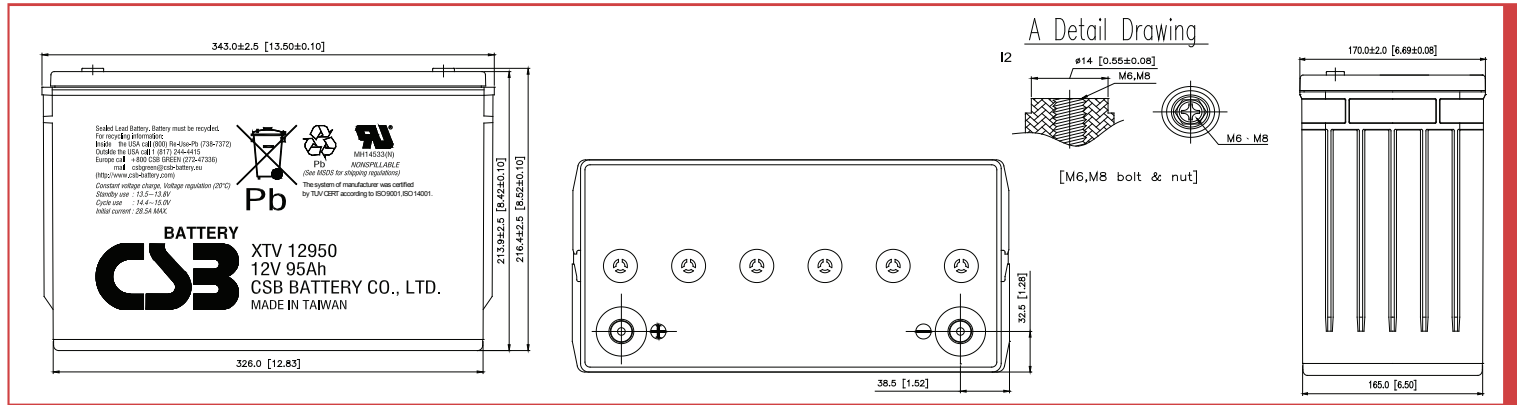


CSB-manufactured VRLA batteries are UL-recognized components under UL924 and UL1989.

CSB is also certified by ISO 9001 and ISO 14001.

Dimensions :

Unit: mm (inch)	Overall Height (H)	Container height (h)	Length (L)	Width (W)
	216.4±2.5 (8.52±0.10)	213.9±2.5 (8.42±0.08)	343.0±2.5 (13.50±0.10)	170.0±2.0 (6.69±0.08)



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

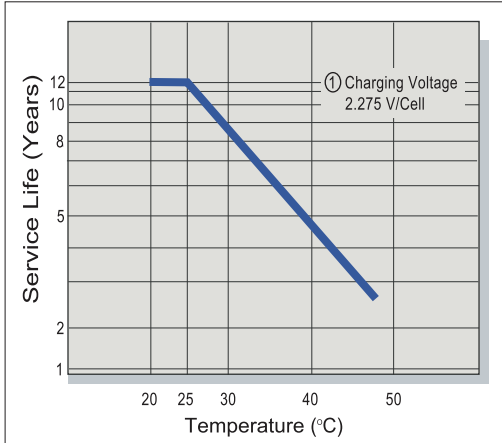
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	361	250	191	116	69.2	51.0	41.1	28.3	17.9	11.9	10.0	5.18
1.67V	319	233	182	114	67.8	49.9	40.2	28.0	17.7	11.8	9.79	5.15
1.70V	298	223	177	112	67.0	49.5	39.9	27.6	17.6	11.7	9.72	5.13
1.75V	264	206	169	107	65.1	48.0	38.7	26.9	17.4	11.6	9.59	5.07
1.80V	240	186	156	101	62.7	46.1	37.0	26.4	17.0	11.4	9.50	4.98
1.85V	198	166	136	92.4	58.5	43.1	34.7	25.0	16.3	11.0	9.05	4.79

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

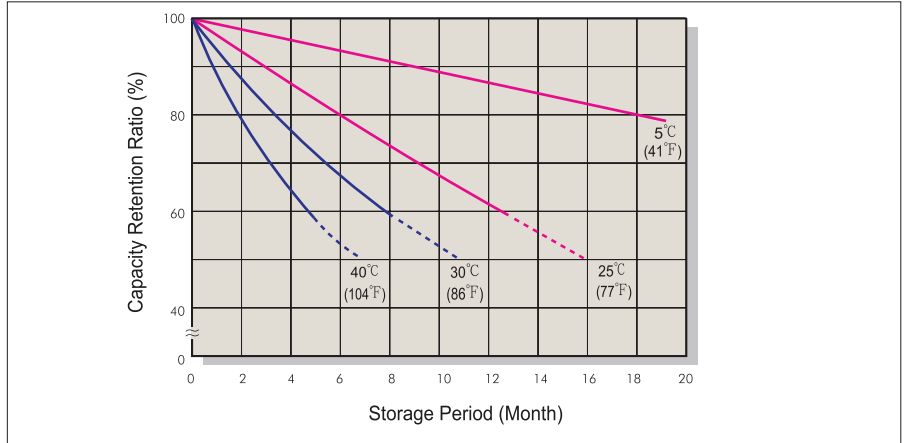
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	3383	2525	2032	1258	768	567	457	324	209	140	117	60.7
1.67V	3128	2400	1972	1244	757	559	451	321	207	139	116	60.0
1.70V	3021	2330	1950	1232	755	556	448	318	206	138	115	59.7
1.75V	2833	2186	1829	1193	739	543	437	310	204	136	114	59.4
1.80V	2496	2029	1675	1137	713	522	419	304	198	134	113	58.5
1.85V	2124	1804	1476	1056	672	495	398	289	189	129	108	56.8

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

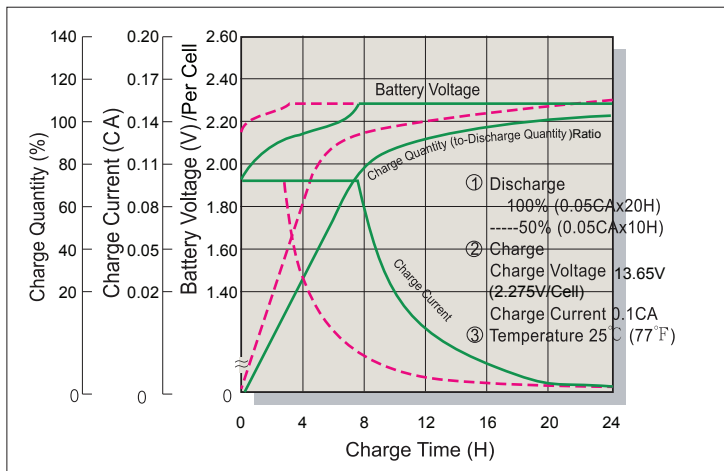
Trickle (or Float) Service Life



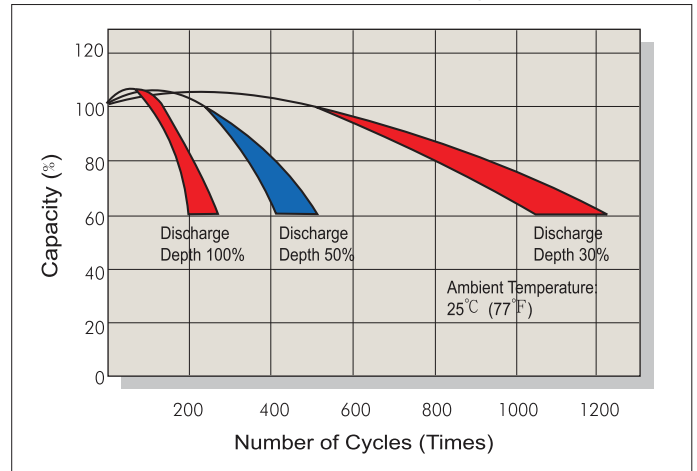
Capacity Retention Characteristic



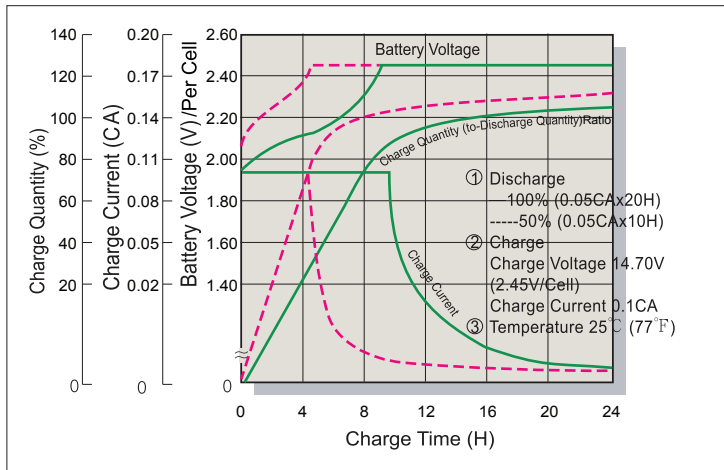
Battery Voltage and Charge Time for Standby Use



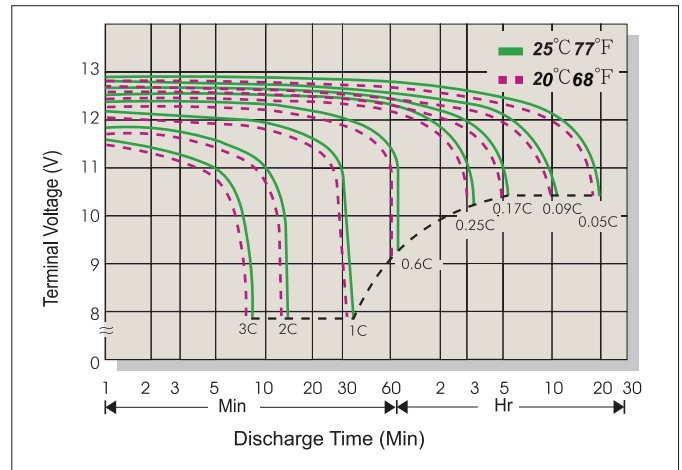
Series Cycle Service Life



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

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