



GPL 12750

12V 75Ah

GPL 12750 is a general purpose battery up to 10 years expected life under normal float charge. As with all CSB batteries, all are rechargeable, highly efficient, leak proof and maintenance free.



Specification

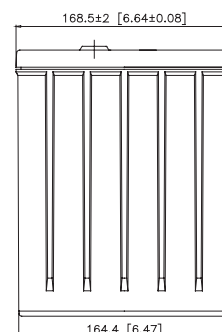
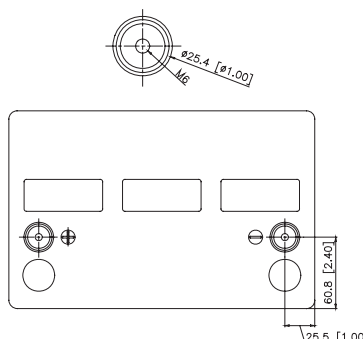
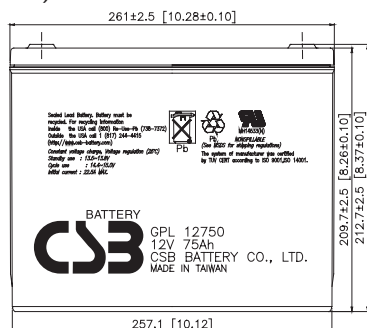
Cells Per Unit	6
Voltage Per Unit	12
Capacity	75Ah @ 20hr-rate to 1.75V per cell @25 °C (77°F)
Weight	Approx. 25.6 kg(56.44 lbs)
Maximum Discharge Current	800A (5sec)
Internal Resistance	Approx. 4.5 mΩ
Operating Temperature Range	Discharge: -15°C~50°C (5°F~122°F) Charge: -15 °C~40°C (5°F~104°F) Storage: -15°C~40°C (5°F~104°F)
Nominal Operating 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	22.5A
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-V0/File E50955)*Flammability resistance of (UL 94-HB/File E216959) can be available upon request.



CSB-manufactured batteries are UL-recognized components under UL924 and UL1989. CSB is also certified by ISO 9001 and ISO 14001.

Dimensions

unit: (MM)



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

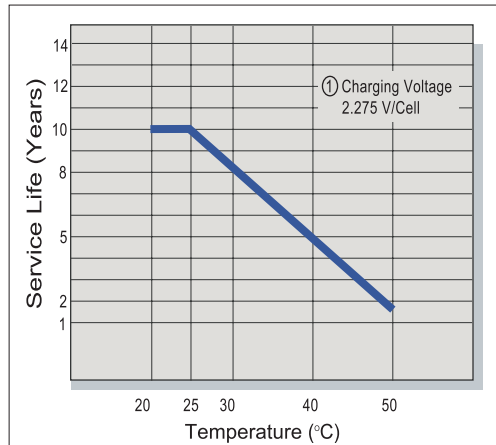
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	325	210	155	93.3	53.4	31.0	21.5	16.7	13.8	9.36	7.85	4.45
1.67V	292	194	146	90.1	52.3	30.5	21.2	16.6	13.7	9.30	7.69	4.42
1.70V	276	187	142	88.5	51.6	30.2	21.0	16.5	13.6	9.28	7.62	4.41
1.75V	249	174	135	85.4	50.4	29.8	20.6	16.2	13.5	9.11	7.56	4.33
1.80V	220	160	129	82.1	49.2	29.3	20.2	15.9	13.4	8.93	7.50	4.24
1.85V	188	145	121	78.5	47.7	28.8	19.8	15.6	13.0	8.76	7.44	4.16

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

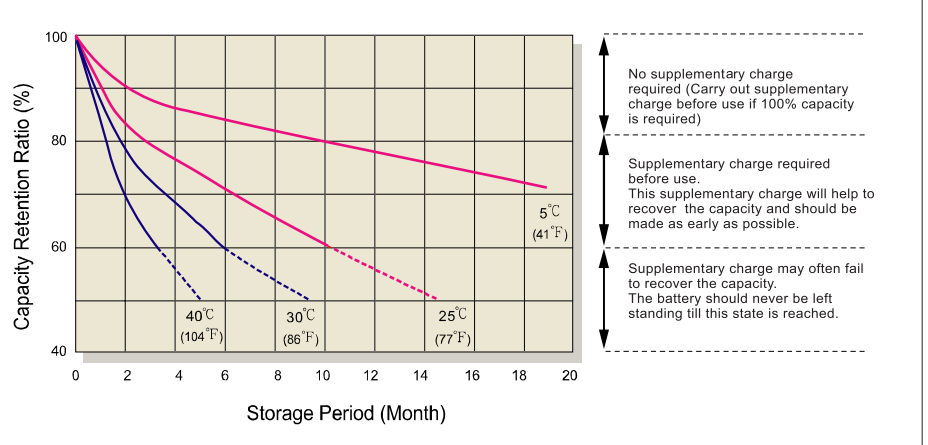
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	3,420	2,370	1,778	1,070	623	363	253	197	163	112	94.7	53.2
1.67V	3,120	2,181	1,676	1,029	611	360	250	196	160	111	93.6	52.5
1.70V	2,986	2,100	1,626	1,008	604	358	248	195	159	110	93.1	52.1
1.75V	2,718	1,935	1,535	972	593	353	244	193	158	109	92.0	51.5
1.80V	2,450	1,770	1,442	936	580	347	240	189	156	107	90.8	50.8
1.85V	2,140	1,605	1,334	889	565	342	236	186	153	105	89.2	50.1

- All mentioned values are average values.

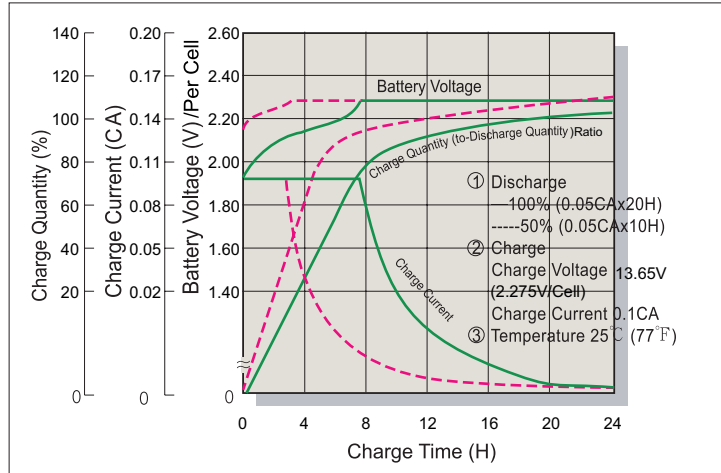
Trickle (or Float) Service Life



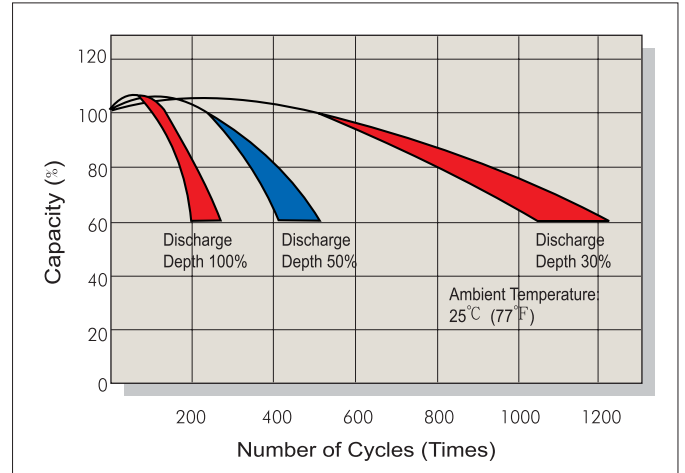
Capacity Retention Characteristic



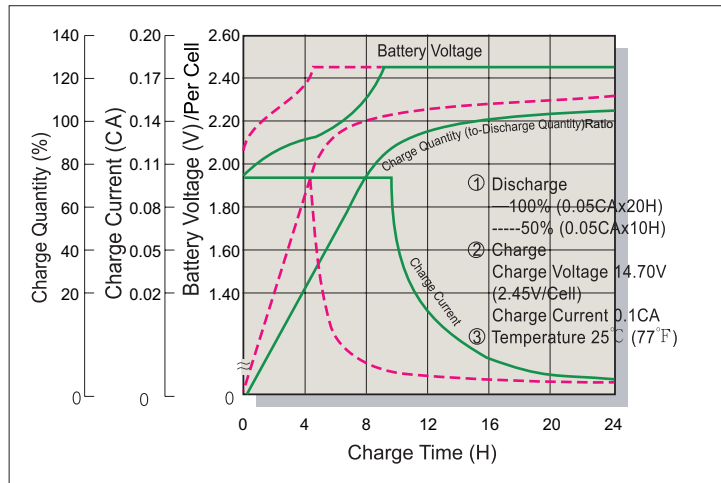
Battery Voltage and Charge Time for Standby Use



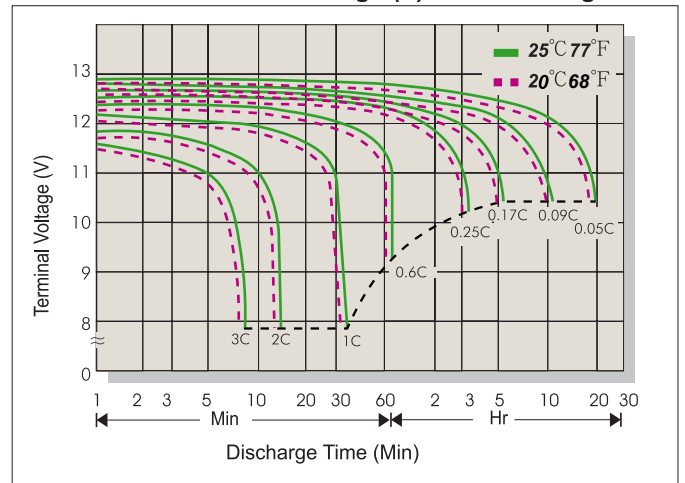
Cycle Service Life



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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