GP 1272

12V 7.2Ah

GP 1272 is a general purpose battery up to 5 years in standby service or more than 260 cycles at 100% discharge in cycle service. 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	7.2Ah @ 20hr-rate to 1.75V per cell @25℃(77℉)
Weight	Approx. 2.4kg(5.29 lbs)
Maximum Discharge Current	100/130 A(5sec)
Internal Resistance	Approx. 23 mΩ
Operating Temperature Range	Discharge: -15℃~50℃(5℉~122℉) Charge: -15 ℃~40℃(5℉~104℉) Storage: -15℃~40℃(5℉~104℉)
Nominal Operating Temperature Range	25℃±3℃(77℉±5℉)
Float Charging Voltage	13.5 to 13.8 VDC/unit Average at 25℃(77℉)
Recommended Maximum Charging Current Limit	2.16A
Equalization and Cycle Service	14.4 to 15.0 VDC/unit Average at 25℃(77℉)
Self Discharge	CSB Batteries can be stored for more than 6 months at 25℃(77℉). Please charge batteries before using. For higher temperatures the time interval will be shorter.
Terminal	F1/F2-Faston Tab187/250
Container Material	ABS(UL94-HB/File E50263)*Flammability resistance of (UL94-V0/File E88367) can be available upon request.

MH14533(N)

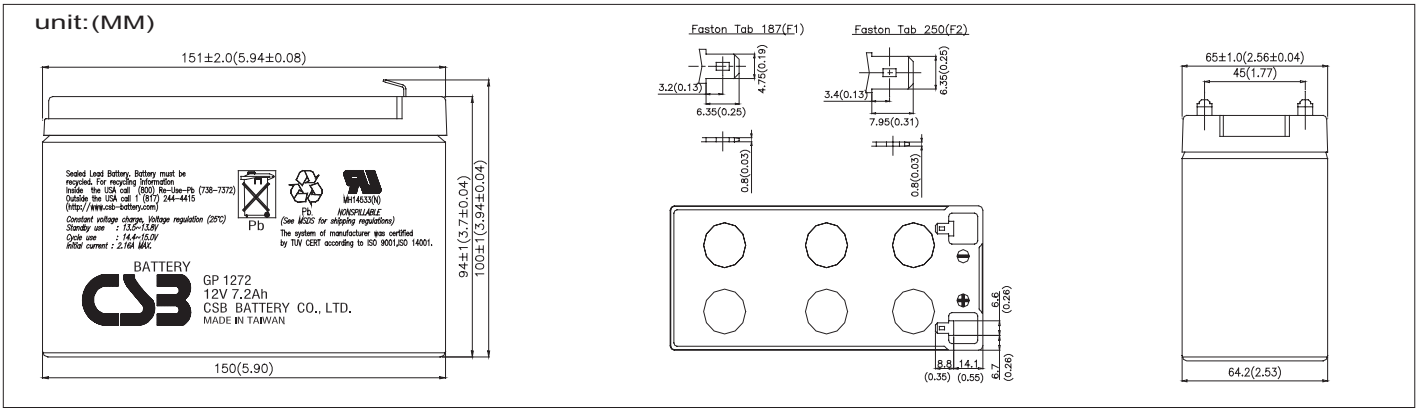
TÜV CERT ISO9001 No :041005117

RWTUV ISO 14001 NO.UM 1-12-0045

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℃,77℉)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	35.6	22.0	16.5	9.61	5.51	3.08	2.14	1.65	1.35	0.925	0.778	0.456
1.67V	33.1	21.0	15.9	9.36	5.42	3.03	2.09	1.60	1.32	0.906	0.762	0.447
1.70V	31.9	20.5	15.6	9.24	5.37	3.00	2.06	1.58	1.30	0.897	0.756	0.438
1.75V	29.6	19.6	15.1	9.03	5.30	2.96	2.02	1.54	1.28	0.883	0.742	0.428
1.80V	27.2	18.6	14.4	8.77	5.23	2.92	1.99	1.50	1.25	0.871	0.732	0.421
1.85V	24.5	17.4	13.7	8.45	5.14	2.87	1.96	1.48	1.23	0.861	0.720	0.409

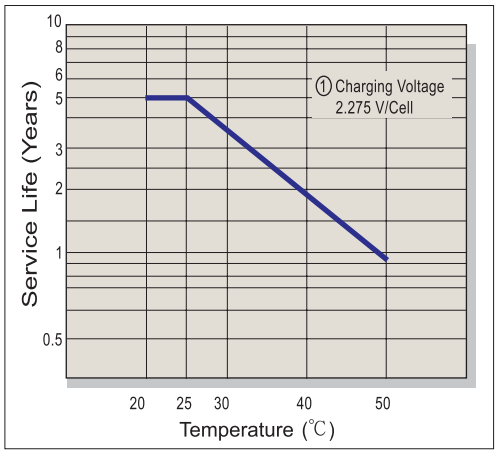
Constant Power Discharge Characteristics Unit:W (25℃,77℉)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	360	245	183	108	64.4	37.7	26.6	20.8	17.3	11.8	9.80	5.37
1.67V	340	235	177	106	63.6	37.1	26.3	20.5	17.0	11.6	9.69	5.27
1.70V	331	231	174	105	63.1	36.9	26.2	20.4	16.9	11.5	9.54	5.23
1.75V	313	222	170	103	62.4	36.4	25.9	20.2	16.7	11.4	9.48	5.15
1.80V	295	213	165	101	61.7	35.9	25.6	19.9	16.5	11.3	9.40	5.07
1.85V	276	202	158	99.0	60.8	35.4	25.2	19.6	16.3	11.2	9.29	4.99

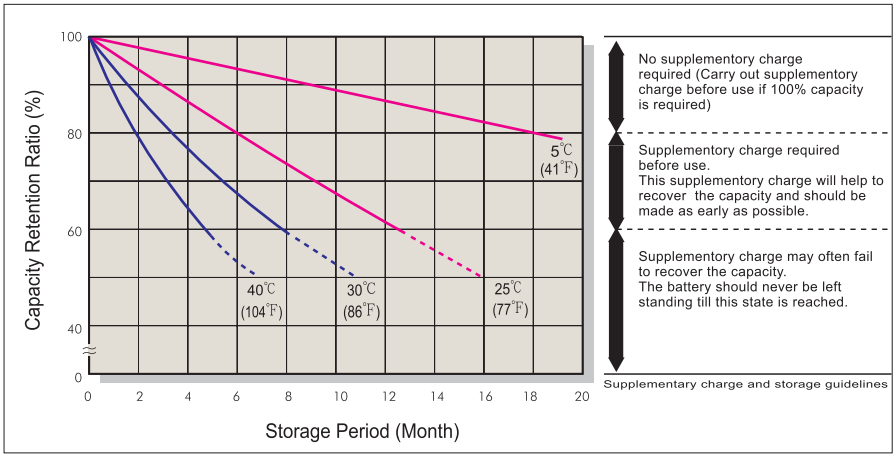
- All mentioned values are average values.

GP 1272 12V 7.2Ah

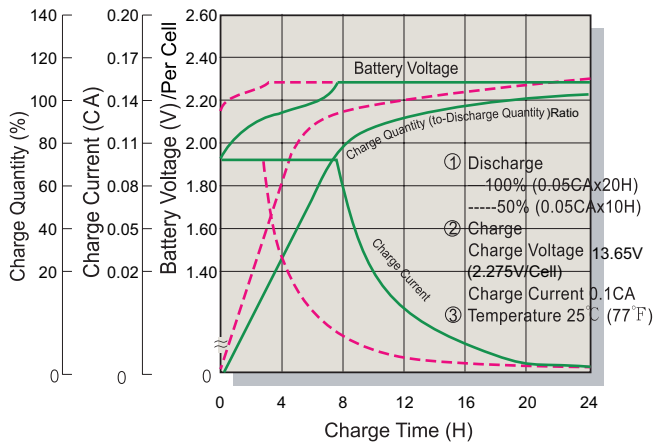
Trickle (or Float) Service Life



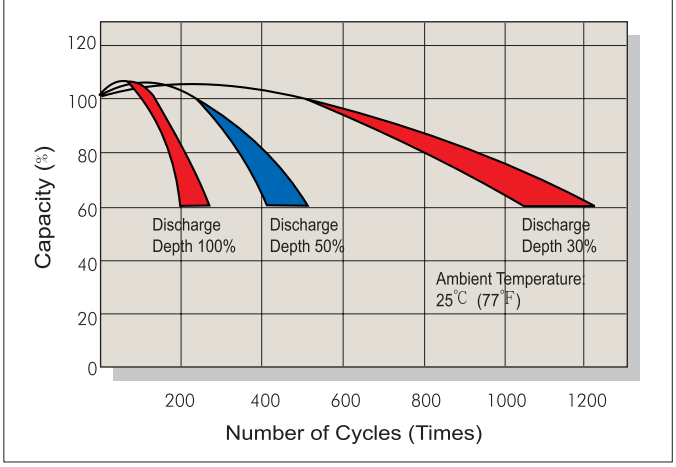
Capacity Retention Characteristic



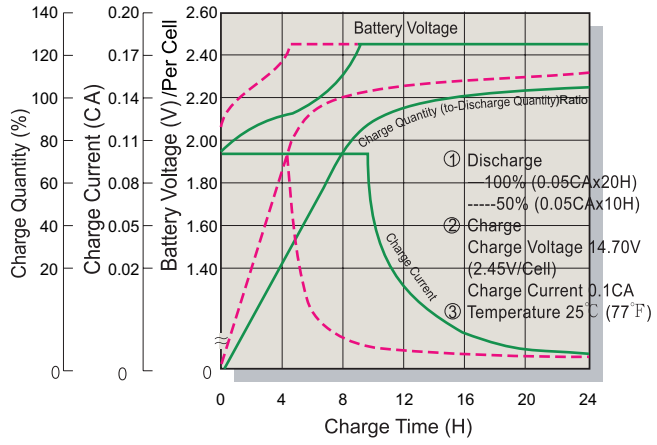
Battery Voltage and Charge Time for Standby Use



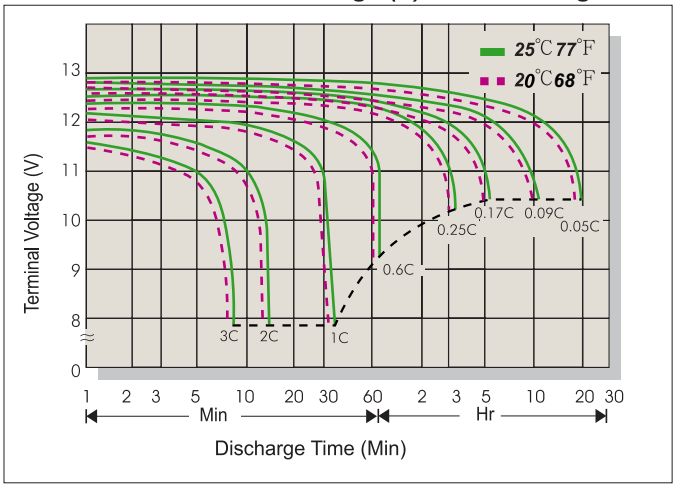
Cycle Service Life



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℃(77℉)	2.45	2.40~2.50	0.3C
Standby	25℃(77℉)	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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