



DISTRIBUIDOR:



PLAYA SUR No. 20 INT. 2
COL. MILITAR MARTE
08830 IZTACALCO MEXICO, D.F.
TEL. 7090-7088 Y 7090-7089
ventas@regulacionups.com.mx
www.regulacionups.com.mx

GP 6120

6V 12Ah

GP 6120 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	3
Voltage Per Unit	6
Capacity	12Ah @ 20hr-rate to 1.75V per cell @25 °C (77°F)
Weight	Approx. 1.85 kg(4.08 lbs)
Maximum Discharge Current	150A/180A(5sec)
Internal Resistance	Approx. 8.5mΩ
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	6.75 to 6.9 VDC/unit Average at 25°C(77°F)
Recommended Maximum Charging	3.6A
Current Limit	
Equalization and Cycle Service	7.2 to 7.5 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	F1/F2-Faston Tab187/250
Container Material	ABS(UL 94-HB/File E50263)*Flammability resistance of (UL 94-V0/File E88637) can be available upon request.



MH14533(N)



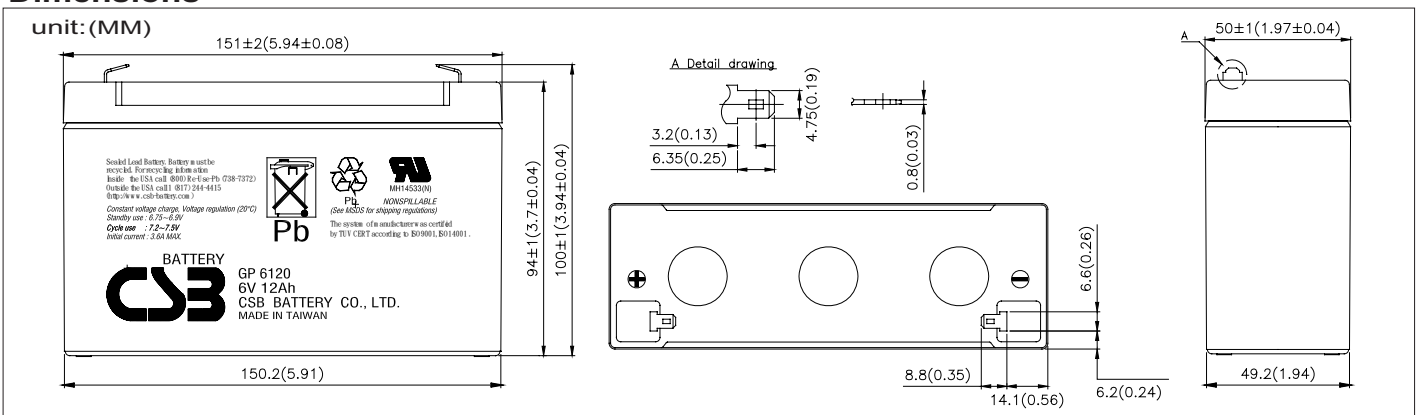
ISO9001
No :041005117



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



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

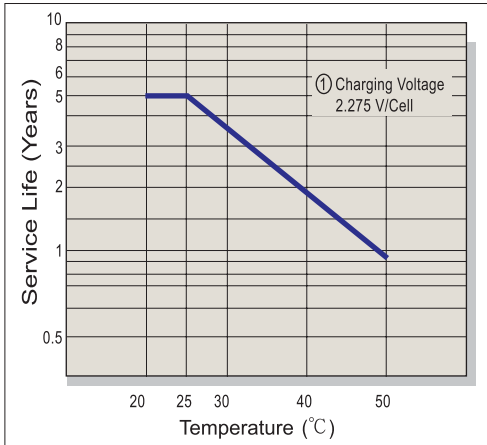
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	48.2	31.4	24.1	14.8	8.83	5.12	3.66	2.89	2.33	1.53	1.23	0.640
1.67V	44.5	29.9	23.2	14.6	8.68	5.03	3.64	2.88	2.32	1.52	1.22	0.623
1.70V	42.9	29.2	22.9	14.5	8.61	4.98	3.63	2.87	2.31	1.51	1.21	0.616
1.75V	40.0	28.0	22.2	14.3	8.47	4.92	3.62	2.86	2.30	1.50	1.20	0.600
1.80V	37.0	26.7	21.4	14.1	8.33	4.83	3.60	2.84	2.28	1.49	1.18	0.584
1.85V	33.9	25.4	20.6	13.9	8.22	4.76	3.58	2.82	2.27	1.48	1.17	0.568

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

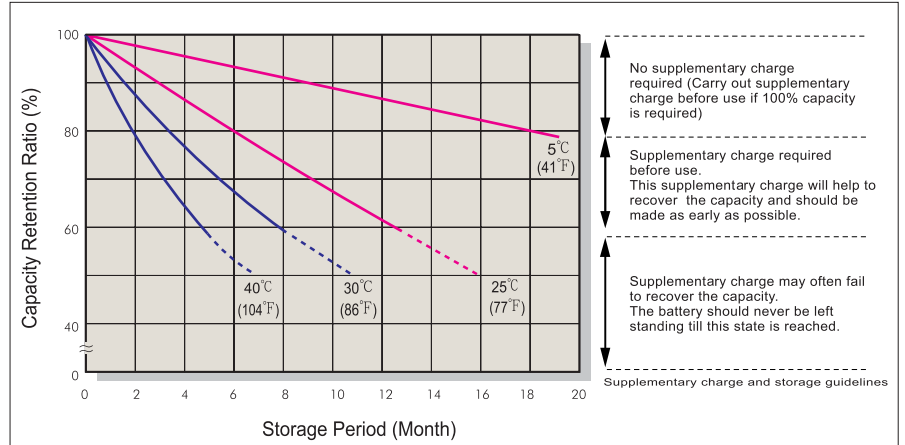
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	289	189	145	89.0	53.0	30.7	22.0	17.4	14.0	9.24	7.35	3.75
1.67V	268	180	140	88.0	52.2	30.4	21.9	17.3	13.9	9.19	7.28	3.65
1.70V	258	176	138	87.3	51.8	30.2	21.8	17.2	13.8	9.17	7.25	3.58
1.75V	241	169	133	86.0	51.0	29.6	21.7	17.1	13.7	9.11	7.15	3.54
1.80V	222	160	129	84.5	50.0	29.0	21.6	17.0	13.6	9.04	7.05	3.42
1.85V	204	152	124	83.0	49.0	28.4	21.5	16.9	13.5	8.98	6.95	3.31

- All mentioned values are average values.
- Tolerance: X<6min(+15%~-15%), 6min ≤ X<10min(+12%~-12%), 10min ≤ X<60min(+8%~-8%), X ≥ 60min(+5%~-5%)

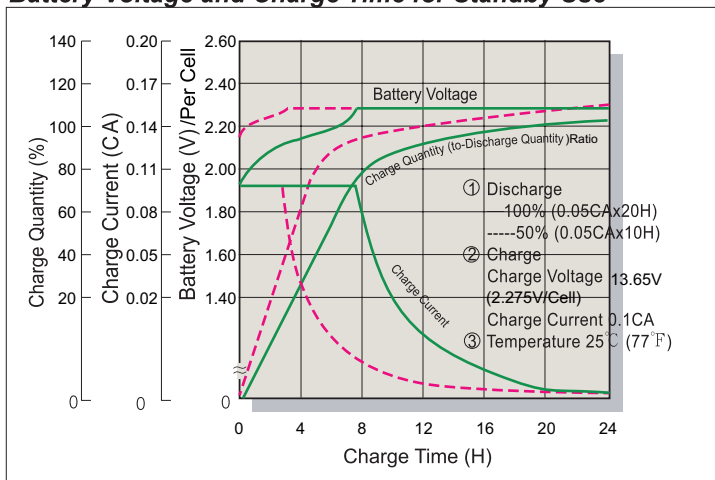
Trickle (or Float) Service Life



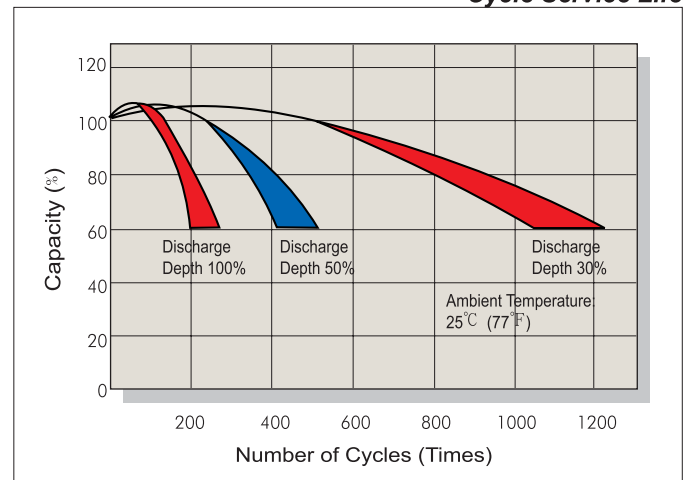
Capacity Retention Characteristic



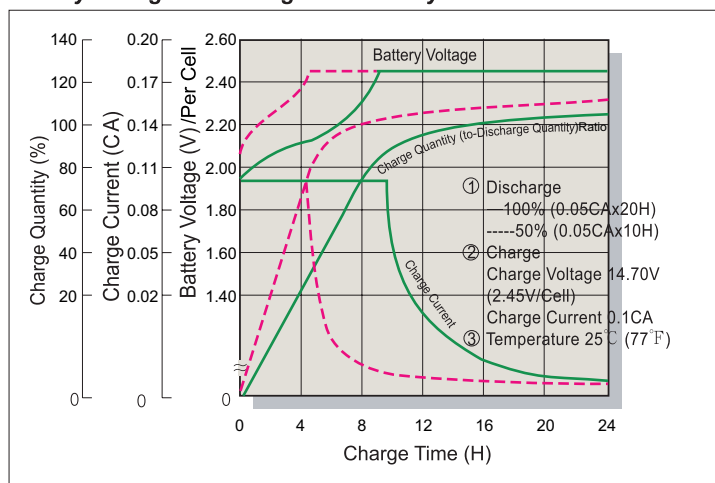
Battery Voltage and Charge Time for Standby Use



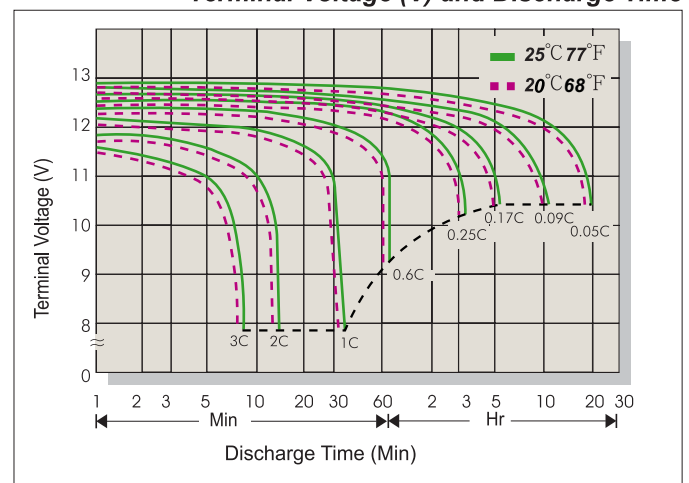
Cycle Service Life



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

Sales Office

DISTRIBUIDOR:



PLAYA SUR No. 20 INT. 2
 COL. MILITAR MARTE
 08830 IZTACALCO MEXICO, D.F.
 TEL. 7090-7088 Y 7090-7089
 ventas@regulacionups.com.mx
 www.regulacionups.com.mx