

## CSB GPL Series / GPL1272



GPL1272  
12.00 V 7.20 Ah

GPL1272 это аккумуляторы широкого применения с расчетным сроком службы в буферном режиме 10 лет.  
Герметизированные, технология AGM.

### Спецификации

Количество элементов в блоке	6
Напряжение блока, В	12.00
Емкость	7.2
Вес, кг	2.60
Максимальная высота (H), мм	100±1.0
Высота корпуса (h), мм	94±1.0
Длина (L), мм	151±2.0
Ширина (W), мм	65±1.0
Максимальный ток разряда, 5 сек. , А	100/130
Внутреннее сопротивление, мОм	21.00
Диапазон рабочих температур	Разряд: -15°C~50°C Заряд: -15°C~50°C Хранение: -15°C~40°C
Оптимальная температура эксплуатации	25 ± 3 °C
Диапазон напряжения подзаряда в буферном режиме	13.5 ~ 13.8 В/блок при 25°C
Рекомендуемый максимальный ток заряда, А	2.16
Ускоренный и циклический режимы	14.4 ~ 15.0 В/блок при 25°C
Саморазряд	Не рекомендуется хранить аккумуляторы без подзаряда более 6 месяцев при 25°C. При увеличении температуры время хранения уменьшается
Клеммы	F1/F2-Faston Tab187/250
Материал корпуса	ABS(94-HB&94-V0)





# GPL 1272

## 12V 7.2Ah

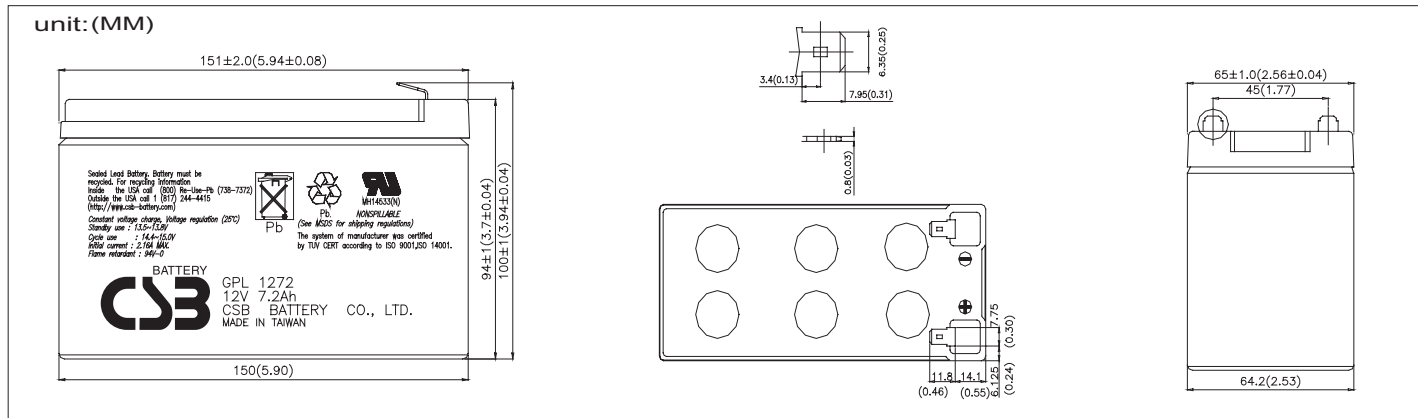
GPL 1272 is a general purpose battery up to 8 years service life under normal float charge at 25°C (77°F). As with all CSB batteries, all are rechargeable, highly efficient, leak proof and maintenance free.

### Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	7.2Ah @ 20hr-rate to 1.75V per cell @25 °C(77°F)
Weight	Approx. 2.6 kg(5.73 lbs)
Maximum Discharge Current	100A/130A(5sec)
Internal Resistance	Approx. 21 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	2.16A
Current Limit	
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	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.

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	24.1	19.2	15.6	9.05	4.88	2.67	1.93	1.53	1.29	0.901	0.739	0.375
1.67V	23.1	18.3	14.9	8.81	4.73	2.60	1.90	1.51	1.28	0.886	0.729	0.369
1.70V	22.6	17.8	14.5	8.68	4.65	2.57	1.87	1.50	1.27	0.879	0.725	0.367
1.75V	21.8	17.0	13.9	8.46	4.53	2.51	1.83	1.46	1.24	0.864	0.709	0.360
1.80V	20.8	16.2	13.2	8.19	4.39	2.46	1.78	1.42	1.21	0.849	0.693	0.352
1.85V	19.6	15.3	12.5	7.87	4.28	2.40	1.75	1.38	1.17	0.826	0.677	0.345

### 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	258	210	173	103	54.0	29.8	22.0	18.0	15.3	10.5	8.78	4.46
1.67V	251	202	166	101	53.3	29.1	21.8	17.8	15.0	10.4	8.64	4.40
1.70V	247	199	162	99.3	52.9	28.8	21.6	17.6	14.9	10.2	8.57	4.36
1.75V	240	192	156	97.4	52.3	28.2	21.2	17.3	14.5	10.1	8.45	4.28
1.80V	231	185	151	95.0	51.5	27.7	20.8	16.8	14.1	10.0	8.29	4.20
1.85V	222	177	146	92.2	50.6	27.2	20.4	16.4	13.8	9.73	8.14	4.12

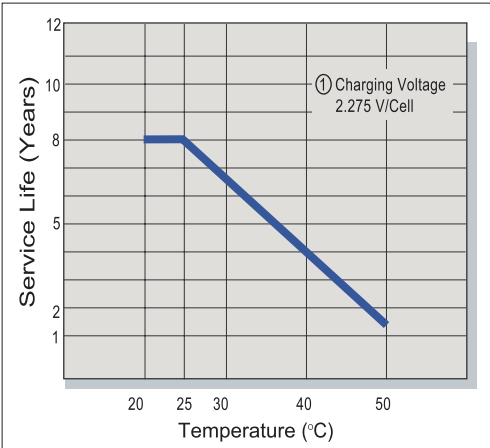
● All mentioned values are average values.

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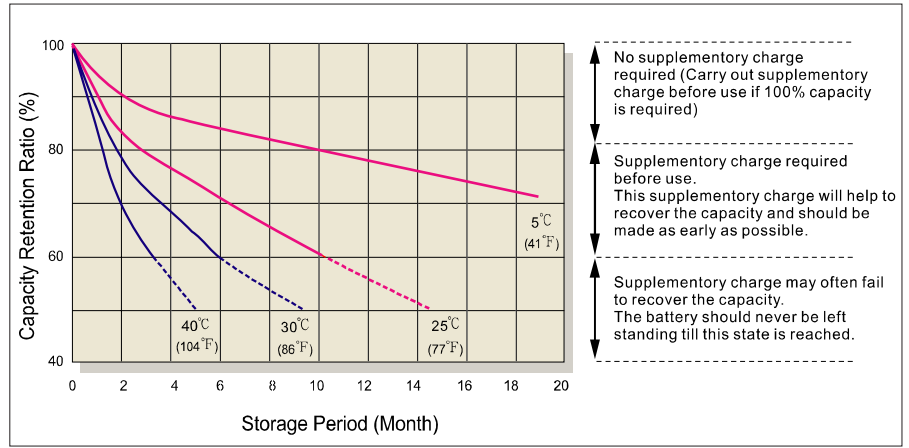
12V 7.2Ah



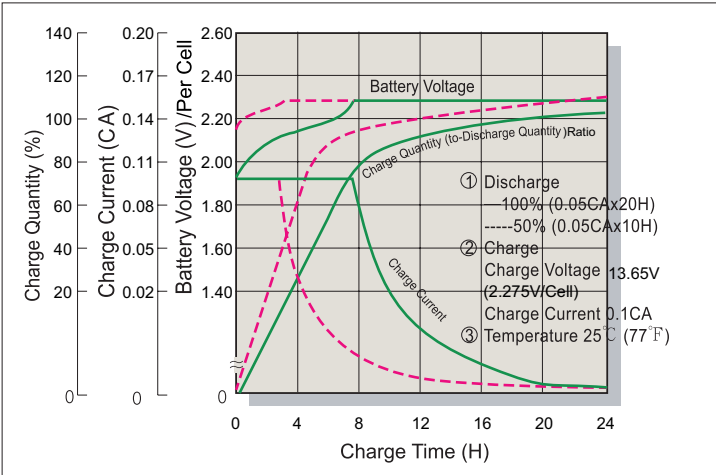
## Trickle (or Float) Service Life



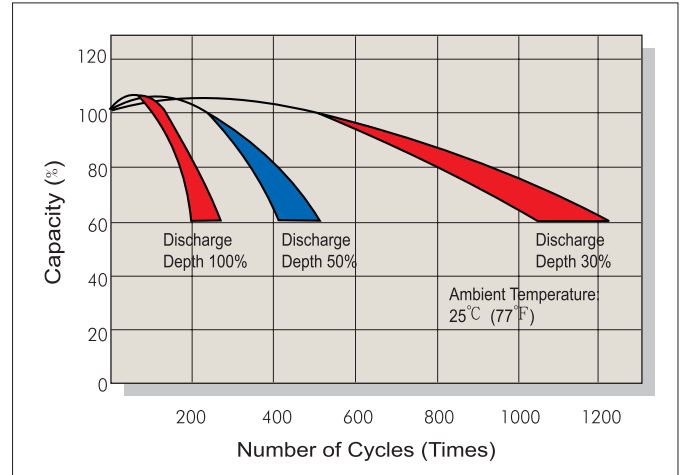
## Capacity Retention Characteristic



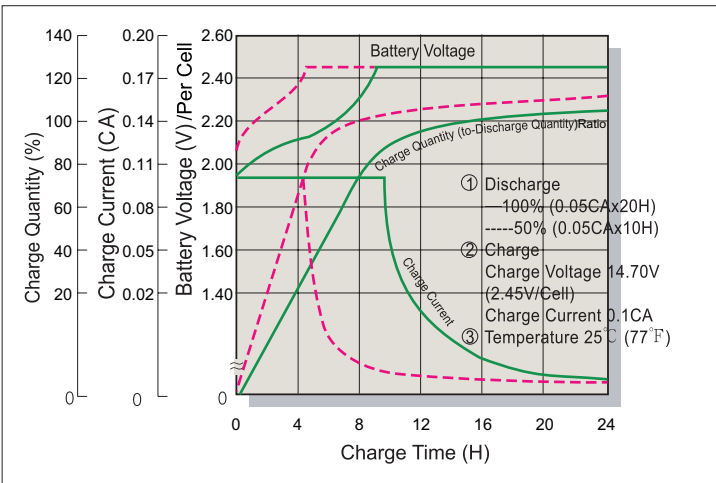
## Battery Voltage and Charge Time for Standby Use



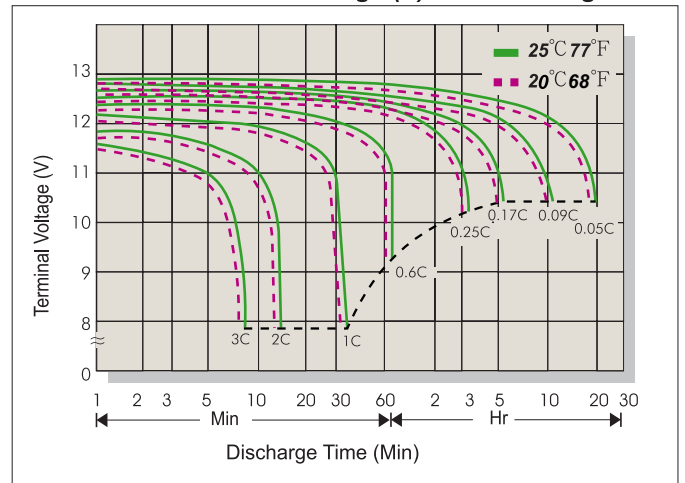
## Cycle Service Life



## 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°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](http://URL.WWW.CSB-BATTERY.COM)

**CSB BATTERY CO., LTD.**  
TAIWAN OFFICE  
Tel: +886-2-2555-5600  
Fax: +886-2-2555-3300  
E-mail: service@csb-battery.com.tw

**CSB BATTERY LOGISTICS (SHANGHAI) CO., LTD.**  
SHANGHAI OFFICE  
Tel: +86-21-5046-1622, 5046-0833  
Fax: +86-21-5064-3314

**CSB BATTERY TECHNOLOGIES, INC**  
USA OFFICE  
Tel: +1-817-244-7777/1-8003 CSBUSA(272872)  
Fax: +1-817-244-4445  
E-mail: csb@csb-battery.com

**CSB BATTERY LOGISTICS (SHANGHAI) CO., LTD.**  
BEIJING OFFICE  
Tel: +86-10-6597-8060, 6597-8070  
Fax: +86-10-6597-8050  
E-mail: chinasl@csb-battery.com

**CSB BATTERY OF NETHERLANDS B.V**  
NETHERLANDS OFFICE  
Tel: +31(0) 180 418 140  
Fax: +31(0) 180 418 327  
E-mail: eurosales@csb-battery.com

**CSB BATTERY LOGISTICS (SHANGHAI) CO., LTD.**  
SHENZHEN OFFICE  
Tel: +86-755-2694-2788/2606/2706  
Fax: +86-755-2694-2748  
E-mail: she@csb-battery.com.tw