



# GPL series GPL 1272



## Valve Regulated Lead Acid Battery

Maintenance-Free Sealed Lead Acid Battery.  
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

### General Design for Standby Power Applications

#### 【Design Life】

Up to 8 Years in Standby Service at 25°C  
Eurobat (20°C) : 10/12 YEARS LONG LIFE

#### 【Operating Temperature Range】

Nominal Operating Temperature : 25°C (77°F)  
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)

#### 【Float Charging Voltage】

13.5 ~ 13.8 VDC/Unit at 25°C (77°F)

#### 【Equalization Charging Voltage】

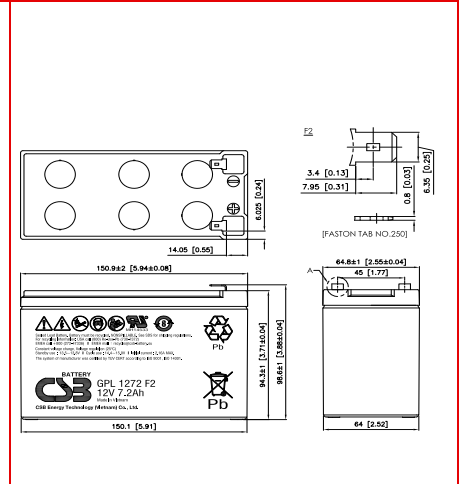
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

#### 【Self Discharge】

Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F);  
Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25°C (77°F).

### Specification Design according with IEC 61056-1/2:2012

Nominal Voltage	12V (6 cells per unit)		
Nominal Capacity	7.2 Ah @20hr-rate to 1.75V per cell @25°C (77°F)		
Weight	Approx. 2.60 Kg (5.73 lbs)		
Maximum Discharge Current	100/130A (5sec)		
Internal Resistance	Approx. 22.0mΩ		
Short Circuit Current	265A		
Maximum Charge Current	2.16A		
Terminal types	F1/F2 Faston Tab Terminal (187/250)		
Terminal tightening torque	--		
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request		
Dimensions	Length (L)	150.9±2.0 mm	5.94±0.08 inch
	Width (W)	64.8±1.0 mm	2.55±0.04 inch
	Container Height (h)	94.3±1.0 mm	3.71±0.04 inch
	Overall Height (H)	98.6±1.0 mm	3.88±0.04 inch



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

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	32.3	20.3	15.1	8.65	4.99	3.60	2.84	2.05	1.34	0.882	0.719	0.375
1.67V	30.5	19.8	14.9	8.58	4.96	3.58	2.82	2.04	1.32	0.873	0.713	0.373
1.70V	29.5	19.4	14.7	8.53	4.94	3.57	2.80	2.02	1.31	0.866	0.708	0.371
1.75V	27.5	18.5	14.3	8.39	4.88	3.53	2.77	1.98	1.28	0.850	0.695	0.366
1.80V	24.7	17.1	13.5	8.11	4.75	3.46	2.70	1.93	1.25	0.821	0.672	0.357
1.85V	21.3	15.3	12.2	7.60	4.50	3.30	2.58	1.85	1.19	0.784	0.642	0.343

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

F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	338	221	167	100	57.4	41.6	33.0	23.7	15.6	10.6	8.56	4.45
1.67V	325	217	166	99	57.2	41.4	32.8	23.6	15.5	10.5	8.55	4.43
1.70V	317	214	164	99	57.0	41.3	32.7	23.5	15.4	10.4	8.54	4.41
1.75V	298	206	160	97	56.3	40.9	32.4	23.4	15.3	10.3	8.53	4.35
1.80V	275	194	152	95	55.0	40.0	31.8	23.0	15.2	10.2	8.52	4.27
1.85V	246	177	139	89.2	52.2	38.1	30.4	22.1	14.8	10.1	8.51	4.12

Please refer to the official site for the latest rating confirmation. URL: [www.csb-battery.cn](http://www.csb-battery.cn)

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Recognized under UL 1989,  
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