



GP series

GP 1272 12V 8.5AH

Valve Regulated Lead Acid Battery

Maintenance-Free Sealed Lead Acid Battery.

Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

Design for Standby Power Applications

【Design Life】

Up to 5 Years in Standby Service at 25°C
Eurobat (20°C) : 3-5 years, Standard Commercial

【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)

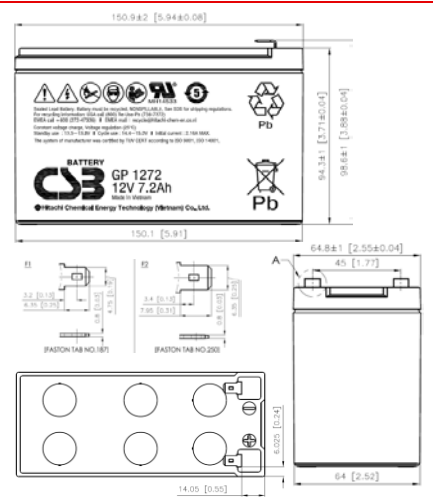
【Self Discharge】

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	8.5Ah @20hr-rate to 1.75V per cell @25°C (77°F)	
Weight	Approx. 2.40 Kg (5.29 lbs)	
Maximum Discharge Current	100/130A (5sec)	
Internal Resistance	Approx. 23.0mΩ	
Short Circuit Current	276A	
Maximum Charge Current	2.16A	
Terminal types	F1/F2 terminal -Faston Tab 187/250	
Terminal hardware 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	34.8	21.5	15.9	9.22	5.37	3.92	3.11	2.24	1.48	0.990	0.817	0.441
1.67V	33.2	21.2	15.7	9.18	5.35	3.91	3.10	2.23	1.47	0.988	0.815	0.440
1.70V	32.1	20.9	15.5	9.13	5.33	3.90	3.09	2.22	1.46	0.986	0.813	0.439
1.75V	30.0	20.1	15.1	8.98	5.29	3.88	3.08	2.21	1.45	0.982	0.810	0.437
1.80V	27.5	18.7	14.4	8.68	5.18	3.83	3.05	2.20	1.44	0.971	0.800	0.432
1.85V	24.2	16.9	13.1	8.14	4.96	3.72	2.96	2.14	1.40	0.942	0.776	0.418

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	365	238	179	108	63.2	46.5	36.9	26.7	17.6	12.1	9.90	5.36
1.67V	353	234	178	107	63.1	46.4	36.8	26.6	17.5	12.0	9.89	5.35
1.70V	346	232	177	106	63.0	46.3	36.7	26.5	17.4	11.9	9.88	5.34
1.75V	329	224	173	105	62.6	46.2	36.6	26.4	17.3	11.8	9.85	5.32
1.80V	304	212	165	103	61.6	45.7	36.3	26.3	17.2	11.7	9.76	5.27
1.85V	276	195	153	97.6	59.5	44.5	35.4	25.6	17.0	11.5	9.51	5.12

Please refer to the official site for the latest rating confirmation. URL: www.csb-battery.com

Issued: 161101

Sales Offices

日立化成能源科技股份有限公司
Hitachi Chemical Energy Technology Co., Ltd.

For Sales, contact Power Pros at (888) 330-2538, or visit our website at: www.powerprosinc.com

Recognized under UL 1989, and certified by ISO 9001, 14001.



BUSINESS HEADQUARTERS

Tel: +886-2-2880-5600
Fax: +866-2-2888-3300

SHENZHEN OFFICE (CHINA)

Tel: +86-755-8831-6488, 8831-6775
Fax: +86-755-8831-6075

EUROPE (EMEA) OFFICE

Tel: +31(0)180-418-140
Fax: +31(0)180-418-327

SHANGHAI OFFICE (CHINA)

Tel: +86-21-5046-1622, 5046-0833
Fax: +86-21-5046-1046

TAIPEI OFFICE

Tel: +886-2-2880-5600
Fax: +866-2-2888-3300

BEIJING OFFICE (CHINA)

Tel: +86-10-5820-5336, 5820-5338
Fax: +86-10-5820-3053