



## GP series

# GP 1272 12V 7.2AH



### 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)

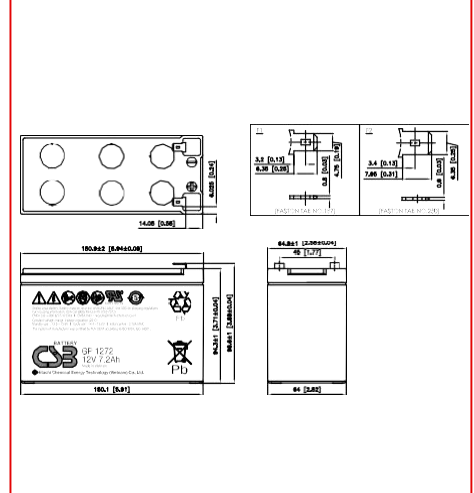
#### 【Self Discharge】

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	7.2Ah @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 Breaking 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	34.3	21.1	15.4	8.89	5.15	3.74	2.97	2.15	1.42	0.940	0.774	0.416
1.67V	32.8	20.8	15.3	8.87	5.14	3.73	2.96	2.14	1.41	0.937	0.771	0.415
1.70V	31.9	20.5	15.1	8.83	5.13	3.72	2.95	2.13	1.40	0.936	0.770	0.414
1.75V	30.0	19.8	14.8	8.72	5.09	3.71	2.94	2.12	1.39	0.932	0.767	0.412
1.80V	27.6	18.6	14.2	8.49	4.99	3.66	2.91	2.10	1.38	0.921	0.758	0.407
1.85V	24.4	16.9	13.1	8.06	4.80	3.54	2.81	2.04	1.33	0.892	0.734	0.393

### 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	362	233	174	104	60.4	44.1	35.1	25.4	17.1	11.5	9.45	5.04
1.67V	352	230	172	103	60.2	44.0	35.0	25.3	17.0	11.4	9.43	5.03
1.70V	345	227	171	102	60.1	43.9	34.9	25.2	16.9	11.3	9.42	5.02
1.75V	329	219	168	101	59.8	43.8	34.8	25.1	16.8	11.2	9.39	5.01
1.80V	304	207	162	100	58.9	43.3	34.5	25.0	16.7	11.1	9.31	4.95
1.85V	273	192	151	95.5	56.9	42.0	33.5	24.4	16.3	11.0	9.06	4.80

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### Sales Offices

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

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

