



GP series GP 1272



Valve Regulated Lead Acid Battery

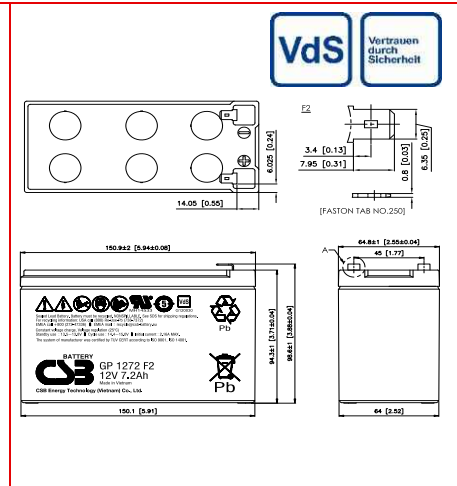
Maintenance-Free Sealed Lead Acid Battery.
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

General Design for Standby Power Applications

| | |
|--|---|
| 【Design Life】 Up to 5 Years in Standby Service at 25°C Eurobat (20°C) : 3-5 YEARS STANDARD COMMERCIAL | 【Float Charging Voltage】 13.5 ~ 13.8 VDC/Unit at 25°C (77°F) |
| 【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) | 【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 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 | 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 |

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

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Recognized under UL 1989,
and certified by ISO 9001, 14001, 45001, 50001.



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