



GP Series

GP12260 Datasheet

12V Top Terminal VRLA-AGM



Valve Regulated Lead Acid (VRLA) Battery

Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%

Pure Lead Construction and Proprietary Elements

Designed for Float Service Standby Power Applications

Built in Accordance with IEC 61056-1/2:2012, UL1973 Listed (MH66728) and UL1989 Recognized (MH14533)

Certified by TUV NORD according to ISO 9001:2015



Specifications

| | |
|-------------------------------------|---|
| Voltage (Vdc) | 12 |
| Ah Capacity (8-Hr 1.75 VPC @ 25°C) | 27.1 |
| Ah Capacity (20-Hr 1.75 VPC @ 25°C) | 27.4 |
| Ah Capacity (8-Hr 1.80 VPC @ 25°C) | 26.8 |
| Max Charge Current (A) | 7.80 |
| Max Discharge Current (A) | 350 |
| Short Circuit Current (A) | 635 |
| Internal Resistance (mΩ) | Approx. 9.9 |
| Terminal Type | I1 thread lead alloy terminal to accept M5 bolt |
| Terminal Torque | 30.4±6.1 Kgf·cm / 26.4±5.3 Lbf·in / 3.0±0.6 N·m |
| Container Material | ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request. |
| Weight (kg. / lb., Approx.) | 8.45 / 18.62 |
| Length (L) (mm / in) | 166.0±2.0 / 6.54±0.08 |
| Width (W) (mm / in) | 175.0±2.0 / 6.89±0.08 |
| Height (H) (mm / in) | 125.0±1.5 / 4.92±0.06 |
| Design Life | Up to 5 Years in Standby Service at 25°C. Eurobat (20°C): 3-5 Years Standard Commercial |
| Operating Temperature | Nominal: 25°C (77°F) Discharge: -15°C - 50°C (5°F-122°F) Charge/Storage: -15°C - 40°C (5°F - 104°F) |
| Float Charging Voltage | 13.5 - 13.8 Vdc/battery 25°C (77°F) |
| Eq. Charging Voltage | 14.4 - 15.0 Vdc/battery 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). |



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Constant Current Discharge Characteristics Per Battery: Amperes (25°C, 77°F)

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 60MIN | 90MIN | 2HR | 3HR | 5HR | 8HR | 10HR | 20HR |
|-------------------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 10.02V (1.67 VPC) | 99.0 | 65.9 | 51.1 | 32.3 | 19.5 | 14.2 | 11.4 | 8.13 | 5.23 | 3.43 | 2.79 | 1.42 |
| 10.50V (1.75 VPC) | 89.7 | 62.0 | 49.0 | 31.6 | 19.3 | 14.0 | 11.2 | 8.11 | 5.21 | 3.38 | 2.74 | 1.37 |
| 10.80V (1.80 VPC) | 83.3 | 59.4 | 47.5 | 31.1 | 19.2 | 13.9 | 11.1 | 8.10 | 5.19 | 3.35 | 2.70 | 1.33 |

Constant Power Discharge Characteristics Per Battery: Watts (25°C, 77°F)

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 60MIN | 90MIN | 2HR | 3HR | 5HR | 8HR | 10HR | 20HR |
|-------------------|------|-------|-------|-------|-------|-------|-----|------|------|------|------|------|
| 10.02V (1.67 VPC) | 1181 | 790 | 610 | 385 | 234 | 171 | 137 | 97.6 | 62.8 | 41.2 | 33.5 | 17.1 |
| 10.50V (1.75 VPC) | 1071 | 744 | 586 | 378 | 232 | 169 | 135 | 97.4 | 62.6 | 40.6 | 32.9 | 16.5 |
| 10.80V (1.80 VPC) | 999 | 713 | 570 | 373 | 231 | 168 | 134 | 97.3 | 62.3 | 40.2 | 32.4 | 16.0 |

