



GPL Series

GPL 12260 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 and UL1989 Recognized (MH14533)



Specifications

| | |
|-------------------------------------|---|
| Voltage (Vdc) | 12 |
| Nominal Capacity (1.75 VPC @25°C) | 26 Ah @20hr-rate |
| Ah Capacity (8-Hr 1.75 VPC @ 25°C) | 26.72 |
| Ah Capacity (20-Hr 1.75 VPC @ 25°C) | 29.00 |
| Ah Capacity (8-Hr 1.80 VPC @ 25°C) | 26.00 |
| Max Charge Current (A) | 7.80 |
| Max Discharge Current (A) | 350 |
| Short Circuit Current (A) | 662 |
| Internal Resistance (mΩ) | Approx. 9.6 |
| Terminal Type | 11 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.) | 8.30 / 18.29 |
| 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 8 Years in Standby Service at 25°C Eurobat (20°C): 10/12 Years Long Life |
| 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 Unit: A (25°C, 77°F)

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 60MIN | 90MIN | 2HR | 3HR | 5HR | 8HR | 10HR | 20HR |
|-------------------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 10.02V (1.67 VPC) | 100 | 68.4 | 51.5 | 30.9 | 18.6 | 13.7 | 11.0 | 7.86 | 5.14 | 3.41 | 2.95 | 1.48 |
| 10.50V (1.75 VPC) | 88.4 | 61.2 | 47.0 | 29.3 | 17.9 | 13.3 | 10.8 | 7.66 | 5.03 | 3.34 | 2.90 | 1.45 |
| 10.80V (1.80 VPC) | 79.0 | 56.0 | 44.1 | 27.9 | 17.3 | 12.9 | 10.5 | 7.52 | 4.91 | 3.25 | 2.80 | 1.42 |

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 |
|-------------------|------|-------|-------|-------|-------|-------|-----|------|------|------|------|------|
| 10.02V (1.67 VPC) | 1034 | 736 | 577 | 355 | 214 | 160 | 131 | 94.6 | 61.6 | 41.5 | 33.6 | 17.7 |
| 10.50V (1.75 VPC) | 965 | 695 | 527 | 338 | 210 | 158 | 129 | 92.2 | 60.6 | 40.5 | 33.4 | 17.5 |
| 10.80V (1.80 VPC) | 892 | 643 | 496 | 323 | 204 | 155 | 127 | 91.1 | 59.9 | 39.4 | 32.2 | 17.4 |

