



# GPL Series

## GPL12260 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<br>(8-Hr 1.75 VPC @ 25°C)  | 26.72  |
| Ah Capacity<br>(20-Hr 1.75 VPC @ 25°C) | 29.00  |
| Ah Capacity<br>(8-Hr 1.80 VPC @ 25°C)  | 26.00  |
| Max Charge Current (A)                 | 7.80   |
| Max Discharge Current (A)              | 350 (5sec)   |
| Short Circuit Current (A)              | 662  |
| Internal Resistance                    | Approx. 9.6 mΩ   |
| Terminal Type                          | I1 thread lead alloy terminal to<br>accept M5 bolt   |
| Terminal Torque                        | 30.4±6.1 Kgf·cm / 26.4±5.3 Lbf·in /<br>3.0±0.6 N·m   |
| Container Material                     | ABS (UL 94-HB) & Flame Retardant<br>(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<br>25°C. Eurobat (20°C): 10/12 Years<br>Long Life  |
| Operating Temperature                  | Nominal: 25°C (77°F)<br>Discharge: -15°C - 50°C<br>(5°F-122°F)<br>Charge/Storage: -15°C - 40°C<br>(5°F - 104°F)  |
| Float Charging Voltage                 | 13.5 - 13.8 Vdc/battery<br>25°C (77°F)   |
| Eq. Charging Voltage                   | 14.4 - 15.0 Vdc/battery<br>25°C (77°F)   |
| Self-Discharge                         | Less than 10% after 90 days, can<br>be stored up to 6 months and 10<br>months with equalization charge*<br>at 25C (77F); Full recharging is<br>required before usage, and<br>charged sooner if stored at higher<br>temperature than 25C (77F). |



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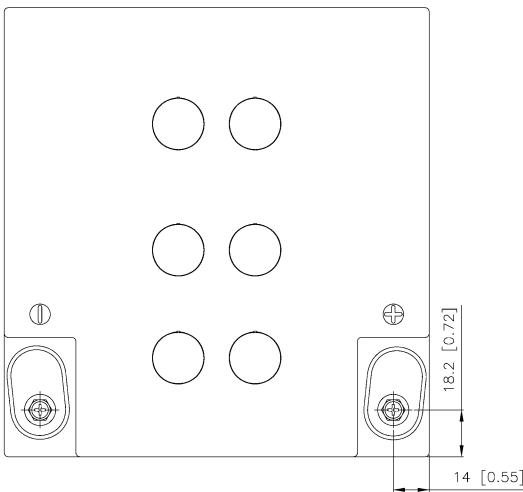
12V Top Terminal VRLA-AGM

### 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) | 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 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) | 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 |



Detail A Drawing(4:1)

