



GP Series

GP12650 Datasheet

12V Top Terminal VRLA-AGM

Specifications

| | |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voltage (Vdc) | 12 |
| Ah Capacity (8-Hr 1.75 VPC @ 25°C) | 62.9 |
| Ah Capacity (20-Hr 1.75 VPC @ 25°C) | 65.0 |
| Ah Capacity (8-Hr 1.80 VPC @ 25°C) | 62.1 |
| Max Charge Current (A) | 19.5 |
| Max Discharge Current (A) | 500 |
| Short Circuit Current (A) | 1663 |
| Internal Resistance (mΩ) | Approx. 5.8 |
| Terminal Type | I2 terminal to accept M6 bolt |
| Terminal Torque | 51.7±10.3 Kgf·cm / 44.9±9.0 Lbf·in / 5.10±1.0 N·m |
| Container Material | PP (UL 94-HB) & Flame Retardant (94-V0) available upon request |
| Weight (kg. / lb., Approx.) | 20.00 / 44.08 |
| Length (L) (mm / in) | 349.4±2.5 / 13.76±0.10 |
| Width (W) (mm / in) | 166.0±2.0 / 6.54±0.08 |
| Height (H) (mm / in) | 174.9±2.0 / 6.89±0.08 |
| 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). |



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





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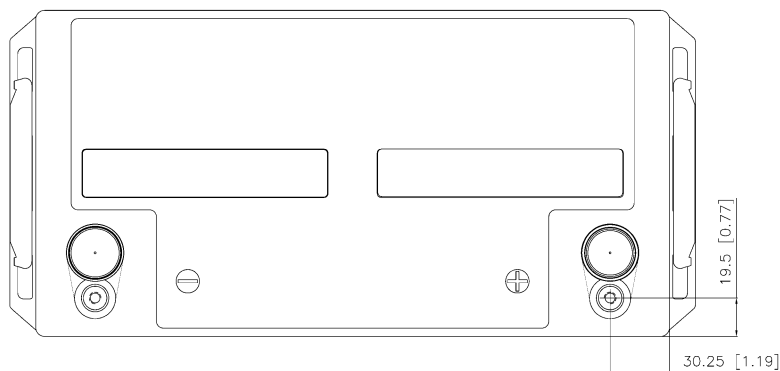
12V Top Terminal VRLA-AGM

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) | 242 | 162 | 124 | 78.3 | 46.9 | 34.1 | 27.2 | 19.3 | 12.3 | 7.97 | 6.47 | 3.42 |
| 10.50V (1.75 VPC) | 208 | 147 | 117 | 75.4 | 46.4 | 33.8 | 27.0 | 19.1 | 12.1 | 7.86 | 6.32 | 3.25 |
| 10.80V (1.80 VPC) | 186 | 137 | 111 | 73.4 | 45.9 | 33.6 | 26.9 | 19.0 | 12.0 | 7.76 | 6.21 | 3.14 |

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) | 2900 | 1940 | 1503 | 935 | 562 | 409 | 326 | 231 | 147 | 96.0 | 77.7 | 39.2 |
| 10.50V (1.75 VPC) | 2490 | 1760 | 1400 | 903 | 555 | 405 | 324 | 229 | 145 | 94.3 | 75.8 | 37.1 |
| 10.80V (1.80 VPC) | 2230 | 1640 | 1330 | 881 | 550 | 403 | 323 | 228 | 144 | 93.1 | 74.5 | 35.7 |



Detail A Drawing(3:1)

