# XHRL Series

## XHRL12620W Datasheet

12V Top Terminal VRLA-AGM

## Specifications

| | |
|---|---|
| Voltage (Vdc) | 12V |
| Watts Per Cell (30-Sec to 1.67VPC @25°C) | -- |
| Watts Per Cell (5-Min to 1.67VPC @25°C) | 923.67 |
| Watts Per Cell (15-Min to 1.67VPC @25°C) | 620.00 |
| Max Charge Current (A) | 62.00 (5 sec) |
| Max Discharge Current (A) | 800 (5 sec) |
| Short Circuit Current (A) | 3722 (5 sec) |
| Internal Resistance (mΩ) | Approx. 2.40 mΩ |
| Terminal Type | I2 thread alloy terminal to accept M6 bolt |
| Terminal Torque | 51.7±10.3 kgf·cm / 44.9±9.0 lbf·in<br>5.1±1.0 N·m |
| Container Material | Polypropylene (UL94-HB) & Flame Retardant (94-V0) available upon request |
| Weight (kg. / lb.) | Approx. 47.20kg / 104.03lb |
| Length (L) (mm / in) | 343.0 ± 2.5mm / 13.50 ± 0.10in |
| Width (W) (mm / in) | 170.0 ± 2.0mm / 6.69 ± 0.08in |
| Height (H) (mm / in) | 275.0 ± 2.5mm / 10.85 ± 0.10in |
| Design Life | Up to 10 Years in Standby Service @ 25°C.<br>Eurobat (20°C): > 12 Years Very Long Life |
| Operating Temperature | Nominal: 25°C (77°F)<br>Discharge: -15°C - 50°C (5°F - 122°F)<br>Charge / Storage -15°C - 40°C (5°F - 104°F) |
| Float Charging Voltage | 13.5 - 13.8VDC / battery @ 25°C (77°F) |
| Eq. Charging Voltage | 14.4 - 15.0VDC / battery @ 25°C (77°F) |
| Self-Discharge | Less than 10% after 90 days, can be stored up to 6 months & 10 months with equalization charge @ 25°C (77°F). Full recharge required before use. Charge sooner if stored above 25°C (77°F). |




## KEY FEATURES

- Valve Regulated Lead Acid (VRLA)
- Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%
- Pure Lead Construction and Proprietary Elements

## APPLICATIONS

- Designed for High-Rate UPS & Float Service Standby Power

## SAFETY & COMPLIANCE

- Built in Accordance with IEC 60896-21/22:2004
- UL1973 Listed (MH66728)
- UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015

MH14533

UL CERTIFIED SAFETY US MH66728

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12V Top Terminal VRLA-AGM

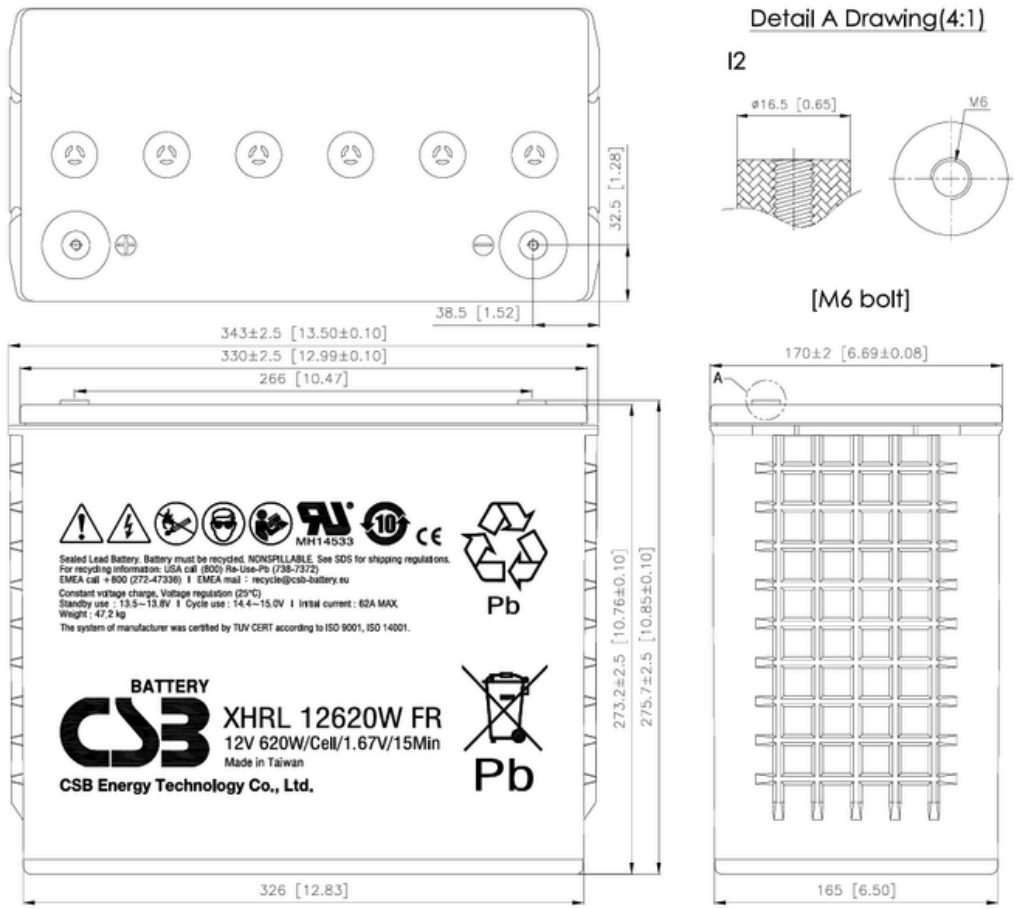
### Constant Current Discharge Characteristics Per Battery: Amperes (25°C / 77°F)

| F.V/Time | 2MIN | 4MIN | 5MIN | 6MIN | 8MIN | 10MIN | 15MIN | 20MIN | 30MIN | 45MIN | 60MIN | 90MIN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.02V (1.67VPC) | 660 | 585 | 543 | 511 | 466 | 420 | 326 | 273 | 200 | 144 | 114 | 79.8 |
| 10.50V (1.75VPC) | 553 | 485 | 465 | 449 | 398 | 356 | 293 | 252 | 188 | 138 | 110 | 78.2 |
| 10.80V (1.80VPC) | 494 | 443 | 409 | 383 | 344 | 315 | 270 | 229 | 175 | 131 | 106 | 75.6 |

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

| F.V/Time | 2MIN | 4MIN | 5MIN | 6MIN | 8MIN | 10MIN | 15MIN | 20MIN | 30MIN | 45MIN | 60MIN | 90MIN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.02V (1.67VPC) | 6439 | 5680 | 5542 | 5432 | 4894 | 4387 | 3720 | 2983 | 2249 | 1654 | 1329 | 959 |
| 10.50V (1.75VPC) | 5579 | 5208 | 4994 | 4825 | 4311 | 3969 | 3282 | 2742 | 2135 | 1592 | 1293 | 944 |
| 10.80V (1.80VPC) | 5235 | 4660 | 4427 | 4246 | 3894 | 3639 | 2956 | 2515 | 2017 | 1522 | 1247 | 916 |

### Line Drawing




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