

EXCELLENT CYCLING ABILITY



GL-1260

ADVANCED TECHNOLOGY

GELLED VALVE REGULATED
LEAD ACID BATTERY (GVR)
FOR CYCLING APPLICATIONS

12V 60.0AH @ 20 HR RATE to 1.75VPC

12V 65.0AH @ 100 HR RATE to 1.75VPC

LONG DURATION

FOR
TELECOMMUNICATION
SOLAR / PHOTOVOLTAIC
WIND GENERATION
MARINE
APPLICATIONS

Innovative Features

- ◆ Deep cycle battery designed, GEL electrolyte with highly porous glass micro-fiber separator;
- ◆ Exceptional energy storage capacity combined with long life - BCI Classification;
- ◆ Thick positive plate design for maximum service float life - 12 years design life @ 20°C(68°F);
- ◆ Thickness positive plate plus optimized plate alloy to anti-corrosion;
- ◆ Maintenance-free (no topping up) during the whole service life due to EverExceed GEL technology ;
- ◆ Proprietary Fixed Orifice Plate Pasting technology applying active materials on both sides of the grid for consistent cell-to-cell performance, higher capacity and uniform grid protection;
- ◆ Flame-arresting one-way pressure-relief vent for safe and long life;
- ◆ Electrolyte in solid gel form will not stratify no equalization charge required;
- ◆ Sulfuric acid thixotropic gel, gel powder from Europe leading supplier to ensure the unique performance of gel battery;
- ◆ Increased durability and deep cycle ability for heavy duty applications;
- ◆ Fully tank formed grid Lead Calcium Tin plate ensures voltage matching between cells;
- ◆ Shelf life up to 2 years at 20°C (68°F), very low gassing due to internal gas recombination;
- ◆ Can be used in any orientation. Upright, side or end mounting recommended;
- ◆ Unique performance against high temperature;
- ◆ UL Recognized component;
- ◆ Spill-proof and leak-proof.

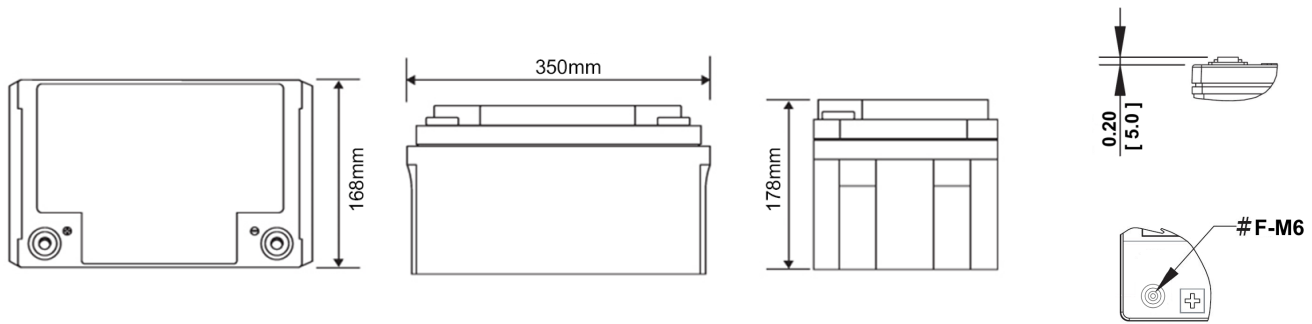
12 VOLTS - 60.0 AMPERE HOUR @ 20 HOUR RATE

AH Capacity to 1.75VPC @ 20°C (68°F)

| End Point Volts/Cell | 1.5hr | 2hr | 3hr | 4hr | 5hr | 8hr | 10hr | 12hr | 20hr | 24hr | 100hr |
|-------------------------|-------|------|------|------|------|------|------|------|------|------|-------|
| 1.75 | 39.9 | 41.8 | 45.3 | 47.1 | 48.5 | 52.8 | 55.0 | 56.1 | 60.0 | 62.2 | 65.0 |

Gellyte Range VRLA

EverExceed®
power your applications



Length: 350mm Width: 168mm Height: 178mm

| Electrical Specifications | | | | | |
|---------------------------|------------------|----------------|-------------|-----------------------|-------------------------------|
| Cells Per Unit | Voltage Per Unit | Weight | Electrolyte | Short Circuit Current | Internal Resistance Milliohms |
| 6 | 12.84 | 46.9lbs 21.3kg | SG = 1.300 | 1938 Amps | 6.3 |

| | |
|--|---|
| Capacity | 12V 60.0AH @ 20 HR RATE to 1.75VPC 12V 65.0AH @ 100 HR RATE to 1.75VPC |
| Applicable Operating Temperature Range | -40°C (-40°F) to +70°C (158°F). |
| Ideal Operating Temperature Range | +20°C (+68°F) to +32°C (90°F). |
| Floating Charging Voltage | 13.5 to 13.8 VDC/unit Average at 20°C (77°F). |
| Recommended Maximum Charging Current Limit | 12.0 Amperes (0.20 C20 Amperes) |
| Equalization and Cycle Service Charging Voltage | 14.1 to 14.4 VDC/unit Average at 20°C (77°F). |
| Maximum AC Ripple (Charger) | 0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. Maximum voltage allowed = 1.4% RMS (4% P-P). Maximum current allowed = 0.30 amperes RMS (C/20) to 1.75VPC. |
| Self Discharge | EverExceed Gellyte Range batteries may be stored for up to 24 months at 20°C (68°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter. |
| Accessories | Inter unit connectors racks and cabinet systems are available. |
| Terminal: Inserted | Threaded copper alloy insert terminal. |
| Terminal Hardware Initial Torque: Inserted Terminal | 9 N-m |

| Constant Power Discharging Ratings - Watts Per Cell @ 20°C (68°F) | | | | | | | | | | | |
|---|-------|------|------|------|------|------|------|------|------|------|-------|
| End Point Volts/Cell | 1.5hr | 2hr | 3hr | 4hr | 5hr | 8hr | 10hr | 12hr | 20hr | 24hr | 100hr |
| 1.85 | 46.0 | 37.1 | 26.7 | 21.2 | 17.6 | 12.0 | 10.0 | 8.51 | 4.47 | 4.68 | 1.29 |
| 1.80 | 49.0 | 39.1 | 28.2 | 22.2 | 18.6 | 12.8 | 10.6 | 9.04 | 5.82 | 5.04 | 1.37 |
| 1.75 | 51.0 | 40.3 | 28.7 | 22.6 | 18.8 | 12.9 | 10.7 | 9.12 | 5.93 | 5.11 | 1.39 |

| Constant Current Discharging Ratings - Amperes Per Cell @ 20°C (68°F) | | | | | | | | | | | |
|---|-------|------|------|------|------|------|------|------|------|------|-------|
| End Point Volts/Cell | 1.5hr | 2hr | 3hr | 4hr | 5hr | 8hr | 10hr | 12hr | 20hr | 24hr | 100hr |
| 1.85 | 24.9 | 19.5 | 14.0 | 10.8 | 8.91 | 6.07 | 5.00 | 4.26 | 2.83 | 2.45 | 0.618 |
| 1.80 | 25.5 | 20.4 | 14.6 | 11.4 | 9.44 | 6.44 | 5.36 | 4.55 | 2.96 | 2.53 | 0.637 |
| 1.75 | 26.6 | 20.9 | 15.1 | 11.7 | 9.69 | 6.60 | 5.50 | 4.68 | 3.00 | 2.59 | 0.650 |

Note: Batteries to be mounted with 0.39 in (1.00 cm) spacing minimum and free air ventilation.
Specifications subject to change without notification.