EverExceed®
power your applications

Gellyte Range VRLA

# EXCELLENT CYCLING ABILITY

FOR
TELECOMMUNICATION
SOLAR / PHOTOVOLTAIC
WIND GENERATION
MARINE
APPLICATIONS

## GL6-150

### ADVANCED TECHNOLOGY

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

**6V 150AH @ 10 HR RATE to 1.80VPC**

**6V 172AH @ 20 HR RATE to 1.75VPC**

# LONG DURATION

### Innovative Features

- 6V & 12V AGM blocs with gel;
- 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;

| 6 VOLTS - 150 AMPERE HOUR @ 20 HOUR RATE | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AH Capacity to 1.80VPC @ 20°C (68°F) | | | | | | | | | | | | | |
| End Point Volts/Cell | 1.5hr | 2hr | 3hr | 4hr | 5hr | 8hr | 10hr | 12hr | 20hr | 24hr | 48hr | 72hr | 100hr |
| 1.80 | 97.7 | 110 | 119 | 124 | 129 | 144 | 150 | 153 | 166 | 168 | 175 | 181 | 186 |

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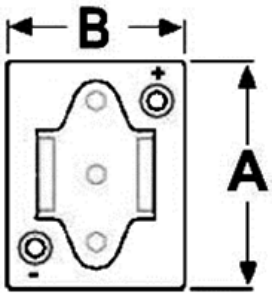


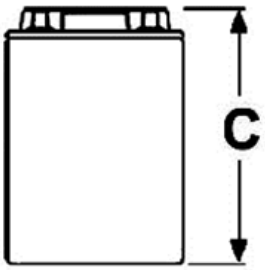


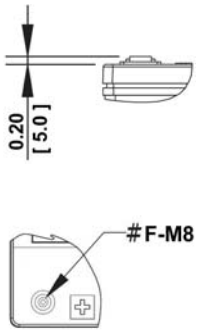


**Length(A): 260mm  Width(B): 180mm  Height(C): 252mm**

| Electrical Specifications | | | | | | |
|---|---|---|---|---|---|---|
| Cells Per Unit | Voltage Per Unit | Weight | Electrolyte | CCA @ -18°C (0°F) | Short Circuit Current | Ohms Imped 60 Hz(Ω) |
| 3 | 6.42 | 48.3lbs 21.9kg | SG = 1.300 | 1019 Amps | 4410 Amps | 0.0028 |

| | |
|---|---|
| **Capacity** | 150 Ah @ 10 hr. rate to 1.80 volts per cell @ 20°C (68°F).<br>172 Ah @ 20 hr. rate to 1.75 volts per cell @ 20°C (68°F). |
| **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** | 6.75 to 6.90 VDC/unit Average at 25°C (77°F). |
| **Recommended Maximum Charging Current Limit** | 0.25C20 amperes (43.0 amperes @ 100% depth of discharge) @ 20 hr. rate to 1.75VPC. |
| **Equalization and Cycle Service Charging Voltage** | 7.05 to 7.20 VDC/unit Average at 25°C (77°F). |
| **Maximum AC Ripple (Charger)** | 0.5% RMS or 1.5% P-P of float charge voltage recommended for best results.<br>Maximum voltage allowed = 1.4% RMS (4% P-P).<br>Maximum current allowed = 8.58 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)<br>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** | 11 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 |
| 1.85 | 119 | 100 | 72.8 | 57.9 | 48.2 | 33.9 | 28.1 | 26.0 | 15.7 | 13.4 |
| 1.80 | 124 | 105 | 76.8 | 61.0 | 50.7 | 35.8 | 29.6 | 27.7 | 16.7 | 14.0 |
| 1.75 | 127 | 108 | 78.4 | 62.1 | 51.7 | 36.3 | 30.3 | 28.2 | 17.0 | 14.3 |

| 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 | 48hr | 72hr | 100hr |
| 1.85 | 61.4 | 51.9 | 37.3 | 29.3 | 24.5 | 17.0 | 14.1 | 11.9 | 7.81 | 6.72 | 3.49 | 2.41 | 1.81 |
| 1.80 | 65.1 | 55.0 | 39.7 | 31.1 | 25.9 | 18.0 | 15.0 | 12.8 | 8.32 | 7.02 | 3.64 | 2.51 | 1.86 |
| 1.75 | 66.8 | 56.5 | 40.8 | 31.8 | 26.5 | 18.5 | 15.4 | 13.1 | 8.58 | 7.23 | 3.72 | 2.55 | 1.89 |

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