EverExceed®
power your applications

FT GELLYTE RANGE VRLA

LONG DURATION

EVEREXCEED FT GELLYTE TECHNOLOGY,
EXCELS IN TELECOM APPLICATION

FGL-12150

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

12V 150AH @ 10HR RATE to 1.80VPC

12V 165AH @ 20HR RATE to 1.75VPC

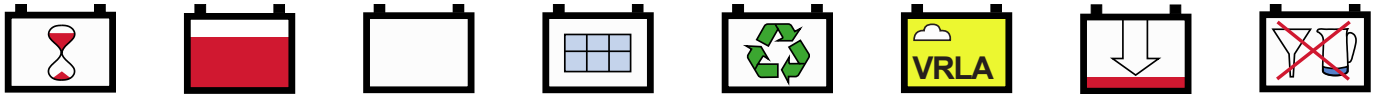
- Can be used in any orientation. Upright, side or end mounting recommended;
- Reinforced ABS case and cover – flame retardant material UL 94 V-0 on request.

Innovative Features

- 6V & 12V deep cycle gel battery design;
- Special design comply with telecom 19"/ 23" cabinet for space limitation;
- The success of EverExceed FT Gellyte batteries comes from the internationally superior EverExceed FT Gellyte technology;
- Exceptional energy storage capacity combined with long life - BCI Classification;
- Virgin Pure Lead Tin and thick positive plate technology design for maximum service float life - 12 years design life @ 20˚C(68˚F);
- Thick positive plate plus optimized plate alloy to anti-corrosion;
- UL Recognized component;
- Designed in accordance with IEC 60896-21/-22;
- Spill-proof and leak-proof;
- 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;
- Fully tank formed grid Lead Calcium Tin plate ensures voltage matching between cells;

12 VOLTS - 150 AMPERE HOUR @ 10 HOUR RATE									
AH Capacity to 1.80VPC @ 20°C (68°F)									
End Point Volts/Cell	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	20hr
1.80	93	110	121	128	133	141	143	150	162

For Telecommunication / Solar / UPS Applications



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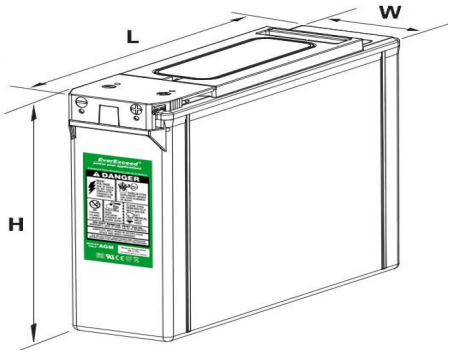

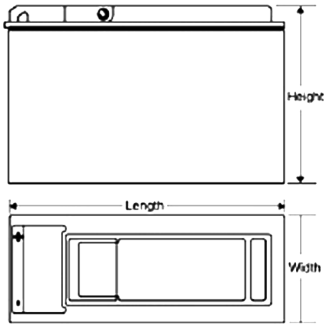

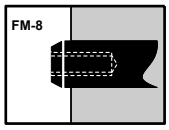

Length: 550mm

Width: 110mm

Height: 285 mm

Electrical Specifications						
Cells Per Unit	Voltage Per Unit	Weight	Electrolyte	Maximum Discharge Current (5s)	Short Circuit Current	Internal Resistance mil-liohms
6	12.84	96.8lbs 44kg	SG = 1.300	1350 Amps	3550 Amps	4.2

Capacity	150 Ah @ 10 hr. rate to 1.80 volts per cell @ 20°C (68°F). 165 Ah @ 20 hr. rate to 1.75 volts per cell @ 20°C (68°F).
Applicable Operating Temperature Range	-40°F (-40°C) to +158°F (70°C).
Ideal Operating Temperature Range	+68°F (+20°C) to +90°F (32°C).
Floating Charging Voltage	13.5 to 13.8 VDC/unit Average at 68°F (20°C).
Recommended Maximum Charging Current Limit	37.5 Amperes (0.25C10 Amperes).
Equalization and Cycle Service Charging Voltage	14.1 to 14.4 VDC/unit Average at 68°F (20°C).
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 = 0.75 amperes RMS (C/10).
Self Discharge	EverExceed Front Access FT Gellyte Range batteries may be stored for up to 24 months at 68°F (20°C) 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 NM

Constant Power Discharging Ratings - Watts Per Cell @ 20°C (68°F)									
End Point Volts/Cell	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	20hr
1.85	179	101	75.0	59.5	49.5	43.1	34.1	28.5	16.1
1.80	185	104	77.3	61.5	51.8	44.0	35.6	29.5	16.7
1.75	187	105	78.0	62.0	52.9	45.0	36.2	30.2	17.0

Constant Current Discharging Ratings - Ampere per Cell @ 20°C (68°F)									
End Point Volts/Cell	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	20hr
1.85	93.0	52.9	38.0	30.2	24.9	22.3	17.3	14.6	7.88
1.80	97.0	54.8	40.3	31.9	26.6	23.5	17.9	15.0	8.10
1.75	98.0	55.9	41.3	32.8	27.0	24.4	18.6	15.2	8.25

Note: Busbar connection designed for 0.375" (1.0 cm) battery spacing.
Batteries to be mounted with 0.3" (0.75 cm) spacing minimum and free air ventilation.
Specifications subject to change without notification.