

# Deep Cycle Gel Range VRLA

*EverExceed<sup>®</sup>*  
power your applications

*EverExceed Gel Technology  
Excels in cycling applications*


For Mobility / Solar / Marine  
Telecommunication Applications



## 12-60G / E8G22NF GELLED VALVE REGULATED LEAD ACID BATTERY (GVR) FOR CYCLING APPLICATIONS 12V 42.6 AH @ 5 HR RATE 12V 55 AH @ 20 HR RATE



### FEATURES

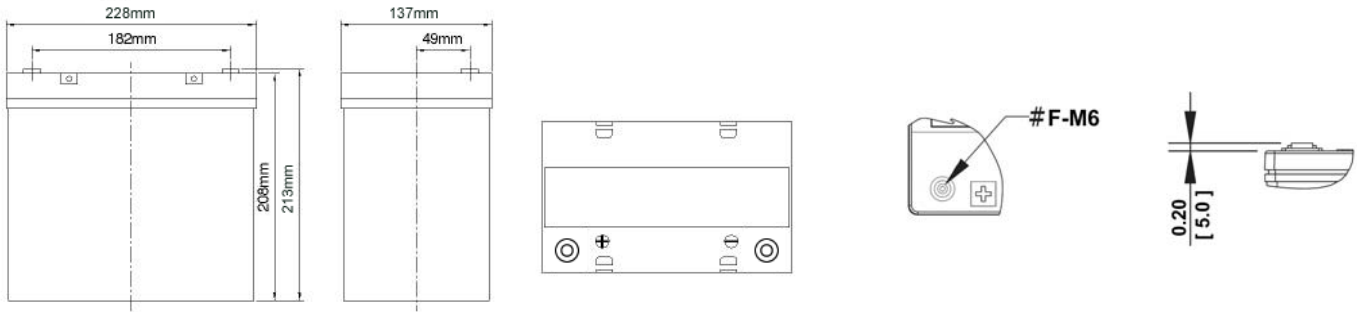
- ☑ Exceptional energy storage capacity combined with long life - BCI Classification
- ☑ Thick positive plate design for maximum service float life - 12 year design life @ 20°C(68°F)
- ☑  UL Recognized component .
- ☑ Spill-proof and leak-proof
- ☑ Maintenance-free (no topping up) during the whole service life due to EverExceed GEL technology
- ☑ Flame-arresting one-way pressure-relief vent for safe and long life
- ☑ Electrolyte in solid gel form will not stratify - no equalization charge required
- ☑ 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

### 12 VOLTS - 55 AMPERE HOUR @ 20 HOUR RATE

#### AH Capacity to 1.75VPC @ 68°F (20°C)

End Point Volts/Cell	1.5hr	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr
1.75	32.2	36.1	39.1	41.1	42.6	47.5	49.5	50.5	55.0

# Deep Cycle Gel Range 12-60G



## 12-60G – Specifications

Cells Per Unit	Voltage Per Unit	Weight	Electrolyte	CCA at -18°C	Short Circuit Current	Ohms Imped 60 Hz (Ω)
6	12.84	41.1 lbs 18.7 kg	SG = 1.280	280 Amps	1900 Amps	0.0056

<b>Capacity</b>	55 Ah @ 20 hr. rate to 1.75 volts per cell @ 68°F (20°C). 42.6 Ah @ 5 hr. rate to 1.75 volts per cell @ 20°C (68°F).
<b>Applicable Operating Temperature Range</b>	-40°F (-40°C) to +140°F (60°C).
<b>Ideal Operating Temperature Range</b>	+68°F (+20°C) to +77°F (25°C).
<b>Floating Charging Voltage</b>	13.5 to 13.8 VDC/unit Average at 77°F (25°C).
<b>Recommended Maximum Charging Current Limit</b>	0.25C20 amperes (13.75 amperes @ 100% depth of discharge) @ 20 hr. rate.
<b>Equalization and Cycle Service Charging Voltage</b>	14.1 to 14.4 VDC/unit Average at 77°F (25°C).
<b>Maximum AC Ripple (Charger)</b>	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 = 2.75 amperes RMS (C/20).
<b>Self Discharge</b>	EverExceed Deep Cycle Gel 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.
<b>Accessories</b>	Inter unit connectors racks and cabinet systems are available.
<b>Terminal: Inserted</b>	Threaded copper alloy insert terminal
<b>Terminal Hardware Initial Torque: Inserted Terminal</b>	9 N-m

## Constant Power Discharge Ratings – Watts Per Cell @ 68°F (20°C)

End Point Volts/Cell	Operating Time to End Point Voltage (in hour)									
	1.5	2	3	4	5	8	10	12	20	24
1.85	38.0	32.1	23.4	18.5	15.4	10.9	8.98	7.65	5.02	4.32
1.80	40.0	33.9	24.6	19.5	16.3	11.4	9.50	8.14	5.33	4.52
1.75	40.8	34.7	25.2	19.9	16.6	11.6	9.70	8.29	5.44	4.61

## Constant Current Discharge Ratings – Amperes @ 68°F (20°C)

End Point Volts/Cell	Operating Time to End Point Voltage (in hour)									
	1.5	2	3	4	5	8	10	12	20	24
1.85	19.7	16.6	12.0	9.45	7.83	5.46	4.50	3.83	2.50	2.15
1.80	20.9	17.6	12.7	10.0	8.31	5.79	4.82	4.09	2.67	2.26
1.75	21.5	18.1	13.0	10.3	8.51	5.94	4.95	4.21	2.75	2.33

**Note:** Batteries to be mounted with 0.5 in (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.