

EverExceed[®]
power your applications

Sealed
VRLA **GEL**

GOLF

ELECTRIC TROLLEY BATTERY



*Must be recycled or
Disposed of properly*

GOLF 28
GELLED VALVE REGULATED
LEAD ACID BATTERY (GVR)
FOR CYCLING APPLICATIONS
12V 21.6 AH @ 5 HR RATE
12V 28 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

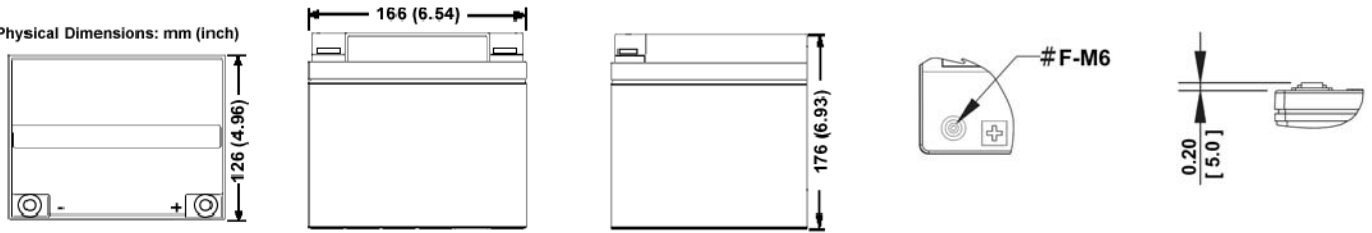
12 VOLTS - 28 AMPERE HOUR @ 20 HOUR RATE

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	16.4	18.4	19.9	20.9	21.6	24.2	25.2	25.7	28.0

GOLF 28

Physical Dimensions: mm (inch)



Glof 28 – Specifications

Cells Per Unit	Voltage Per Unit	Weight	Electrolyte	CCA at -18°C	Short Circuit Current	Ohms Imped 60 Hz (Ω)
6	12.84	20.9 lbs 9.5 kg	SG = 1.280	190 Amps	1100 Amps	0.0108

Capacity	28 Ah @ 20 hr. rate to 1.75 volts per cell @ 68°F (20°C). 21.6 Ah @ 5 hr. rate to 1.75 volts per cell @ 20°C (68°F).
Applicable Operating Temperature Range	-40°F (-40°C) to +140°F (60°C).
Ideal Operating Temperature Range	+68°F (+20°C) to +77°F (25°C).
Floating Charging Voltage	13.5 to 13.8 VDC/unit Average at 77°F (25°C).
Recommended Maximum Charging Current Limit	0.25C20 amperes (7 amperes @ 100% depth of discharge) @ 20 hr. rate.
Equalization and Cycle Service Charging Voltage	14.1 to 14.4 VDC/unit Average at 77°F (25°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 = 1.4 amperes RMS (C/20).
Self Discharge	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.
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 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	17.3	16.3	12.0	9.44	7.86	5.52	4.58	3.90	2.57	2.20
1.80	20.4	17.2	12.5	10.0	8.28	5.83	4.84	4.15	2.71	2.30
1.75	20.8	16.6	12.0	9.47	7.89	5.52	4.61	3.93	2.58	2.19

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	10.0	8.45	6.11	4.82	3.98	2.78	2.29	1.95	1.29	1.10
1.80	10.6	8.99	6.46	5.12	4.22	2.95	2.46	2.09	1.36	1.15
1.75	10.9	9.21	6.64	5.22	4.33	3.03	2.52	2.14	1.40	1.18

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