

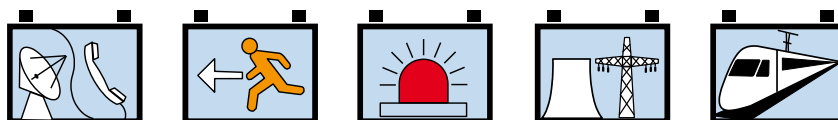


EverExceed®
power your applications

Front Access FT Gellyte Range VRLA



*»Premium quality for
uninterrupted communication«*



www.everexceed.com



VRLA MONOBLOC Gellyte BATTERIES

55Ah to 250Ah @ C10

The extremely powerful, compact Gel batteries of EverExceed front access FT Gellyte Range are an absolutely reliable energy source for durability in Solar / Photovoltaic, Telecommunications and Electric Utility applications. The EverExceed front access FT Gellyte Range VRLA provides excellent performance and reliability in long duration discharge & cycling applications. Our development team combines the market's demand with design optimization, precision component selection and state-of-the-art manufacturing process to produce the most cost effective battery solution for today's applications.

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)

Storage time from a fully charged condition:

24 months at 20°C / 68°F.

For each 9°C / 15°F rise, reduce the storage time by half.

Designed in Quality Manufacturing

Advanced Germany technology and the use of the most modern computer-aided design and manufacturing techniques combine to make EverExceed's front access FT Gellyte Range Batteries the ideal power solution for your applications. Each and every unit is capacity tested.

Applications

Telecommunication	Solar / Photovoltaic
UPS	Wind Generation
Remote Monitoring	RV / Marine
Lighting	Golf cart
Cathodic Protection	Solar Energy

Innovative Features

6V & 12V AGM blocs with gel;

Special design comply with telecom 19"/ 23" cabinet for space limitation;

The success of EverExceed Gellyte batteries comes from the internationally superior EverExceed 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 Gellyte 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;

Unique performance against high temperature;

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.

Specifications

Voltage	6 volts / 12 volts nominal
Plate alloy	Lead-Calcium-Tin alloy
Element, post	Silver plated Copper female insert
Container/cover	Reinforced ABS, UL V-0 on request
Specific	1.280
Electrolyte	Sulfuric acid thixotropic solid gel
Vent	Self sealing (2 PSI operation)

No transport restrictions

Surface transport. Classified as non-hazardous material as related to DOT-CFR Title 49 parts 171-189.

Marine transport. Classified as non-hazardous material as per IMDG amendment 27.

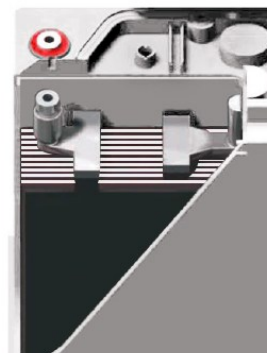
Air transport. Complies with IATA/ICAO, Special provision



Gellyte BATTERY CONSTRUCTION - The positive and negative grids are cast from a calcium / tin lead alloy to reduce grid growth and corrosion. The active material is manufactured from high purity lead (99.9999%) to minimize the negative effects of impurities.

Gellyte Separator is mat of random woven acid resistant glass fibres. "U wrapping" is employed to eliminate the risk of short circuits due to mousing and debris at the bottom of the cell.

The purpose of the separator is to maintain a constant distance between the positive and negative plates, thus removing the possibility of short circuits whilst allowing the active material to fully react with the electrolyte. The random weaving also results in an open structure, which offers minimal resistance to the flow of electrolyte during filling.



Plates: Pb-Ca-Tin-Al lead alloy, optimized for high corrosion resistance.

Separator: Highly porous glass micro-fibre separator, optimized for low internal resistance, for maximum Absorption of the electrolyte and for electrical separation.

Standard Housing: Reinforced ABS (UL 94HB) container and cover.

Optional Housing: Flame-retardant reinforced ABS container and cover compliant with U.L.94 V-0 with an Oxygen limiting Index of greater than 28%.

Terminals: Silver plated Copper female insert for easy and safe assembly and maintenance free connection with excellent conductivity.

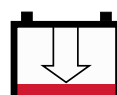
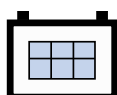
Valves: Release gas in case of excess pressure and protects the cell against atmosphere.

Gellyte LED ELECTROLYTE FILLING - Gelled electrolyte is filled into the cell by means of custom-built vacuum filling machines. To achieve reliable performance it is vitally important that the electrolyte achieves full penetration of the separators and plates therefore, vacuum cycling is utilized after the filling process. To ensure each cell has the correct amount of gel, the cells are first overfilled, the extra gel then removed. The V.R.L.A. Gel battery design and construction negates the need for electrolyte addition and the battery remains maintenance free throughout its design life.

SAFETY RELEASE VALVE - Those Gel batteries will operate above atmospheric pressure under normal operating conditions, however the maximum pressure is governed by the safety one-way release valve. Open action is activated by internal pressures in excess of approx. 2 PSI (14Kpa), resealing at approx. 1.2 PSI (8.4Kpa).

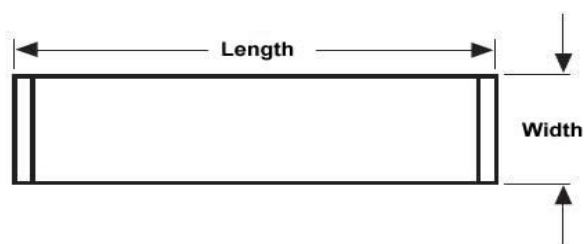
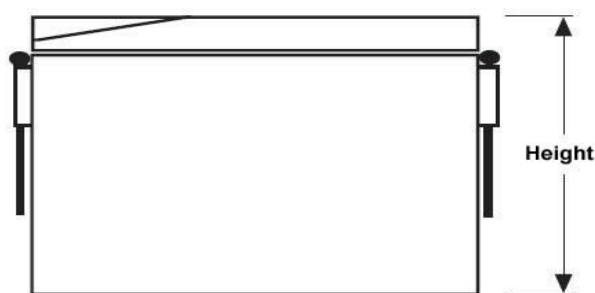
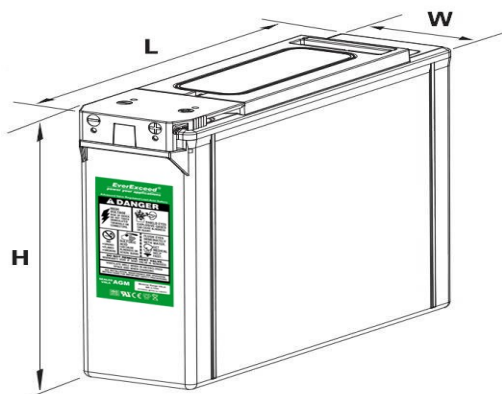
GAS RECOMBINATION - The gasses generated during normal operation of the battery are internally recombined. In fact more than 99% of the gas achieves recombination.

TERMINAL CONSTRUCTION - The contact quality between the copper insert female terminal and the lead post is of vital importance during short duration / high Amps discharge. Elevated terminal temperatures are the result of poor contact, eventually causing seal degradation and electrolyte leaks. EverExceed's tin plated copper terminal design and fusion welding plus epoxy sealing assembly technique for terminal casting ensures trouble free operation and high performance.

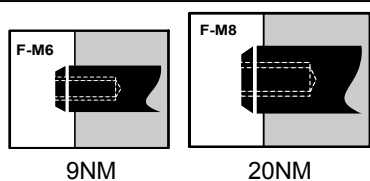


EverExceed FT Gellyte Range Electrical Specifications & Dimensions

Battery Model	Nom. Voltage (V)	Capacity C10 1.80VPC	Capacity C20 1.75 VPC	Capacity C100 1.75 VPC	15 min. WPC 1.67VPC	Short Circuit current Amps	Internal Re-sistance Milli-ohms	Female Terminal Type	Battery Weight		Outline Dimensions					
											Length		Width		Height	
											Kg	lbs	mm	inch	mm	inch
FGL6-200	6	200	216	239	617	3906	3.53	F-M6	34.0	75.0	363	14.3	125	4.92	250	9.84
FGL12-55	12	55.0	62.8	69.5	140	1576	7.95	F-M6	18.7	40.8	280	11.0	105	4.13	225	8.86
FGL12-80	12	80.0	94.2	104	262	1912	6.25	F-M6	29	63.9	560	22.1	110	4.33	190	7.48
FGL12-100	12	100	113	125	314	2335	5.09	F-M6	34.5	76.1	395	15.6	110	4.33	285	11.2
FGL12-110	12	110	126	140	349	2467	4.92	F-M6	36.5	80.5	510	20.1	110	4.33	240	9.45
FGL12-125	12	125	139	154	386	2792	4.70	F-M8	43	94.8	550	21.7	110	4.33	240	9.45
FGL12-130	12	130	144	160	401	2830	4.63	F-M8	44	97.0	550	21.7	110	4.33	240	9.45
FGL12-155	12	155	177	196	493	3235	4.12	F-M8	50	110	550	21.7	110	4.33	285	11.2
FGL12-180	12	180	205	227	570	3886	3.45	F-M8	61.5	136	560	22.1	125	4.92	316	12.4
FGL12-200	12	200	226	250	630	4191	3.03	F-M8	66	146	520	20.5	238	9.37	220	8.67
FGL12-250	12	250	282	314	787	4810	2.60	F-M8	80.5	178	520	20.5	269	10.6	225	8.86

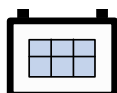
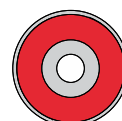
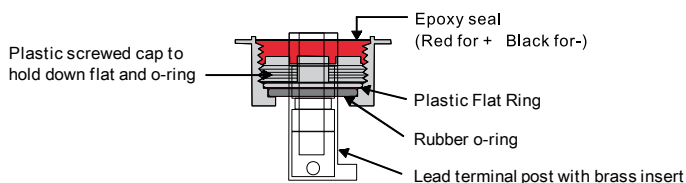


Terminal and Torque



15 years Design Life
Grid Plate
Monobloc Battery
Nominal Capacity 55~250Ah
Deep Discharge Recovery
Maintenance Free
Recyclable
Valve Regulated Lead - Acid

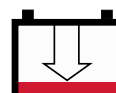
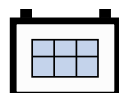
Float Voltage & Charging
Constant voltage charging is recommended
Recommended float voltage: 2.27VPC @ 20°C(68°F)
Float voltage range: 2.25VPC to 2.30 VPC @ 20°C(68°F)
Equalize voltage: 2.35VPC for 12 Hours



FT Gellyte Range Discharge Ampere Hours Data @ 20°C (68°F)

Battery Model	End VPC	Discharge Data Amps @ 20°C				End VPC	Discharge Data Ampere Hours @ 20°C													
		Discharge Time In Minutes					Discharge Time In Hours													
		15	30	45	60		1.5	2	3	4	5	8	10	12	20	24	48	72	100	
FGL6-200	1.80	334	192	140	129	1.85	132	148	162	170	173	192	198	202	202	205	211	217	224	
	1.75	350	198	144	131	1.80	141	158	162	170	175	195	200	204	212	215	221	228	235	
	1.67	384	206	150	133	1.75	134	150	163	171	177	197	205	209	216	219	225	232	239	
FGL12-55	1.80	83.3	53.4	39.8	33.0	1.85	33.8	37.8	41.0	43.1	44.8	49.8	51.4	52.4	57.2	58.9	61.6	63.8	66.0	
	1.75	90.4	55.2	41.0	33.8	1.80	35.9	40.3	43.6	45.8	47.3	52.8	55.0	56.0	61.1	61.8	63.9	66.0	68.1	
	1.67	94.9	56.4	41.1	34.0	1.75	36.7	41.1	44.7	46.9	48.6	54.2	56.4	57.6	62.8	63.7	65.5	67.5	69.5	
FGL12-80	1.80	124	79.9	59.7	49.3	1.85	50.6	56.8	61.5	64.7	66.9	74.7	78.9	78.7	85.6	88.2	92.3	95.6	99.1	
	1.75	134	82.7	61.6	50.5	1.80	53.6	60.3	65.2	68.6	71.0	79.2	80.0	84.0	91.3	92.7	95.7	98.9	102	
	1.67	142	84.5	61.8	50.9	1.75	55.0	61.7	66.9	70.3	72.7	81.2	84.6	86.2	94.2	95.5	98.1	101	104	
FGL12-100	1.80	150	95.9	71.7	59.3	1.85	60.7	68.2	73.8	77.6	80.4	89.8	92.4	94.3	103	106	111	116	119	
	1.75	163	99.3	73.9	60.7	1.80	64.5	72.4	78.3	82.3	85.3	95.0	100	101	110	111	116	119	122	
	1.67	171	102	74.1	61.1	1.75	66.0	74.1	80.3	84.4	87.3	97.6	102	104	113	116	118	122	125	
FGL12-110	1.80	166	107	79.6	65.9	1.85	67.5	75.9	82.2	86.2	89.3	99.8	103	105	114	118	123	128	132	
	1.75	180	110	82.2	67.5	1.80	71.6	80.4	87.0	91.5	94.8	106	110	112	122	123	128	132	135	
	1.67	189	113	82.5	68.0	1.75	73.5	82.5	89.2	93.8	97.1	108	113	116	126	128	131	134	140	
FGL12-125	1.80	185	118	88.1	72.8	1.85	74.7	83.9	90.9	95.4	98.8	110	114	127	127	131	136	141	145	
	1.75	201	122	90.9	74.6	1.80	79.3	88.9	96.4	101	105	118	125	135	135	136	141	145	150	
	1.67	211	125	91.3	75.1	1.75	81.2	91.2	98.7	104	108	120	125	139	139	141	145	149	154	
FGL12-130	1.80	192	123	91.6	75.7	1.85	77.7	87.3	94.5	99.2	103	114	119	132	132	136	141	147	151	
	1.75	209	127	94.5	77.6	1.80	82.5	92.5	100	105	109	123	130	140	140	141	147	151	156	
	1.67	219	130	95.0	78.1	1.75	84.4	94.8	103	108	112	125	130	145	145	147	151	155	160	
FGL12-155	1.80	235	151	112	92.7	1.85	95.2	107	116	121	127	141	145	147	162	166	174	179	186	
	1.75	254	155	116	95.2	1.80	101	113	122	129	133	149	155	157	173	175	180	186	191	
	1.67	268	160	117	95.7	1.75	104	117	127	132	136	153	160	163	177	179	185	189	196	
FGL12-180	1.80	272	174	130	107	1.85	110	123	133	140	146	163	167	171	187	193	201	207	215	
	1.75	294	179	133	110	1.80	117	131	141	149	154	172	180	182	199	202	208	215	221	
	1.67	310	185	134	111	1.75	119	134	146	153	157	177	185	188	205	207	213	219	227	
FGL12-200	1.80	300	193	144	119	1.85	122	136	149	155	161	180	186	189	206	212	222	230	238	
	1.75	326	199	149	122	1.80	129	145	157	165	171	190	200	202	220	223	231	238	245	
	1.67	343	204	149	122	1.75	132	149	161	168	175	196	204	208	226	230	237	243	250	
FGL12-250	1.80	375	240	178	149	1.85	153	171	185	194	201	223	232	237	256	265	278	287	297	
	1.75	407	249	185	153	1.80	161	182	196	206	213	238	250	252	276	279	287	297	307	
	1.67	427	254	185	154	1.75	166	185	201	210	219	244	254	260	282	286	295	304	314	

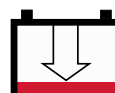
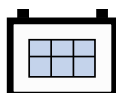
Actual Battery Discharge Data may be +/-5% of figures shown above.



FT Gellyte Range Discharge Amps Data @ 20°C (68°F)

Battery Model	End VPC	Discharge Data Amps @ 20°C				End VPC	Discharge Data Amps @ 20°C													
		Discharge Time In Minutes					Discharge Time In Hours													
		15	30	45	60		1.5	2	3	4	5	8	10	12	20	24	48	72	100	
FGL6-200	1.80	334	192	140	129	1.85	87.9	73.8	53.9	42.4	34.5	24.0	19.8	16.9	10.1	8.54	4.39	3.02	2.24	
	1.75	350	198	144	131	1.80	94.3	79.2	54.1	42.6	35.0	24.4	20.0	17.0	10.6	8.96	4.61	3.16	2.35	
	1.67	384	206	150	133	1.75	89.5	75.1	54.3	42.7	35.4	24.7	20.5	17.4	10.8	9.13	4.69	3.22	2.39	
FGL12-55	1.80	83.3	53.4	39.8	33.0	1.85	22.5	18.9	13.7	10.8	8.96	6.23	5.14	4.37	2.86	2.45	1.28	0.89	0.66	
	1.75	90.4	55.2	41.0	33.8	1.80	23.9	20.2	14.5	11.5	9.46	6.60	5.50	4.67	3.06	2.58	1.33	0.92	0.68	
	1.67	94.9	56.4	41.1	34.0	1.75	24.5	20.6	14.9	11.7	9.72	6.78	5.64	4.80	3.14	2.65	1.36	0.94	0.70	
FGL12-80	1.80	125	79.9	59.7	49.3	1.85	33.7	28.4	20.5	16.2	13.4	9.34	7.89	6.56	4.28	3.68	1.92	1.33	0.99	
	1.75	135	82.7	61.6	50.5	1.80	35.7	30.2	21.7	17.2	14.2	9.90	8.00	7.00	4.57	3.86	1.99	1.37	1.02	
	1.67	142	84.5	61.8	50.9	1.75	36.7	30.9	22.3	17.6	14.5	10.2	8.46	7.18	4.71	3.98	2.04	1.40	1.04	
FGL12-100	1.80	150	95.9	71.7	59.3	1.85	40.5	34.1	24.6	19.5	16.1	11.2	9.24	7.85	5.14	4.41	2.30	1.60	1.19	
	1.75	163	99.3	73.9	60.7	1.80	43.0	36.2	26.1	20.6	17.1	11.9	10.0	8.40	5.49	4.64	2.40	1.65	1.22	
	1.67	171	102	74.1	61.1	1.75	44.0	37.2	26.7	21.1	17.5	12.2	10.2	8.64	5.64	4.77	2.46	1.68	1.25	
FGL12-110	1.80	166	107	79.6	65.9	1.85	45.1	37.8	27.4	21.6	17.9	12.4	10.3	8.75	5.72	4.91	2.56	1.77	1.32	
	1.75	180	110	82.5	67.5	1.80	47.9	40.3	28.9	22.8	18.9	13.2	11.0	9.35	6.11	5.16	2.66	1.84	1.35	
	1.67	189	113	82.5	68.0	1.75	49.0	41.1	29.8	23.4	19.4	13.5	11.3	9.60	6.28	5.30	2.73	1.87	1.40	
FGL12-125	1.80	185	118	88.1	72.8	1.85	49.8	41.9	30.4	23.9	19.8	13.8	11.3	10.6	6.31	5.42	2.83	1.96	1.45	
	1.75	200	122	90.9	74.6	1.80	52.8	44.6	32.2	25.3	21.0	14.5	12.5	11.2	6.74	5.71	2.94	2.02	1.50	
	1.67	211	125	91.3	75.1	1.75	54.1	45.5	32.9	25.9	21.6	15.0	12.5	11.6	6.94	5.87	3.01	2.07	1.54	
FGL12-130	1.80	192	123	91.6	75.7	1.85	51.8	43.6	31.6	24.9	20.6	14.4	11.8	11.0	6.56	5.64	2.94	2.04	1.51	
	1.75	209	127	94.5	77.6	1.80	54.9	46.4	33.5	26.3	21.8	15.1	13.0	11.6	7.01	5.94	3.06	2.10	1.56	
	1.67	219	130	95.0	78.1	1.75	56.3	47.3	34.2	26.9	22.5	15.6	13.1	12.1	7.22	6.10	3.13	2.15	1.60	
FGL12-155	1.80	235	151	112	92.7	1.85	63.5	53.4	38.6	30.5	25.2	17.6	14.5	12.2	8.05	6.92	3.62	2.50	1.86	
	1.75	254	155	116	95.2	1.80	67.3	56.7	40.9	32.1	26.8	18.6	15.5	13.2	8.59	7.27	3.75	2.57	1.91	
	1.67	268	160	117	95.7	1.75	69.0	58.1	42.0	33.0	27.4	19.0	16.0	13.5	8.84	7.47	3.84	2.64	1.96	
FGL12-180	1.80	272	175	130	107	1.85	73.4	61.7	44.4	35.2	29.2	20.4	16.8	14.2	9.31	7.99	4.18	2.88	2.16	
	1.75	294	179	134	110	1.80	77.8	65.5	47.2	37.2	30.9	21.6	18.0	15.2	9.93	8.39	4.33	2.98	2.22	
	1.67	309	184	134	111	1.75	79.6	67.2	48.5	38.2	31.6	22.0	18.4	15.6	10.2	8.64	4.43	3.06	2.26	
FGL12-200	1.80	300	193	144	119	1.85	81.3	68.3	49.3	38.9	32.2	22.6	18.6	15.7	10.3	8.84	4.63	3.19	2.38	
	1.75	326	199	149	122	1.80	86.1	72.5	52.4	41.3	34.2	23.9	20.0	16.8	11.0	9.28	4.80	3.30	2.45	
	1.67	343	204	149	122	1.75	88.2	74.4	53.7	42.4	35.1	24.4	20.4	17.3	11.3	9.57	4.92	3.39	2.50	
FGL12-250	1.80	375	240	178	149	1.85	101	85.4	61.6	48.6	40.3	28.2	23.2	19.8	12.9	11.1	5.78	3.99	2.97	
	1.75	407	249	185	153	1.80	108	90.6	65.5	51.5	42.7	29.7	25.0	21.0	13.8	11.7	6.00	4.13	3.07	
	1.67	427	254	185	154	1.75	110	92.7	67.0	52.8	43.8	30.5	25.4	21.6	14.1	12.0	6.15	4.22	3.14	

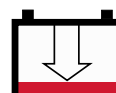
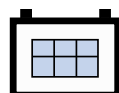
Actual Battery Discharge Data may be +/-5% of figures shown above.

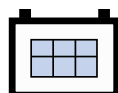
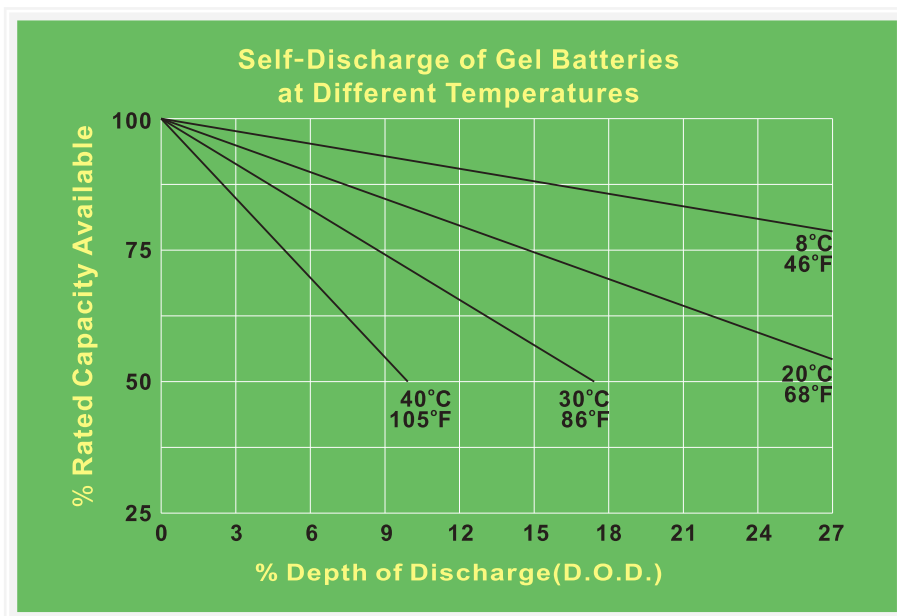
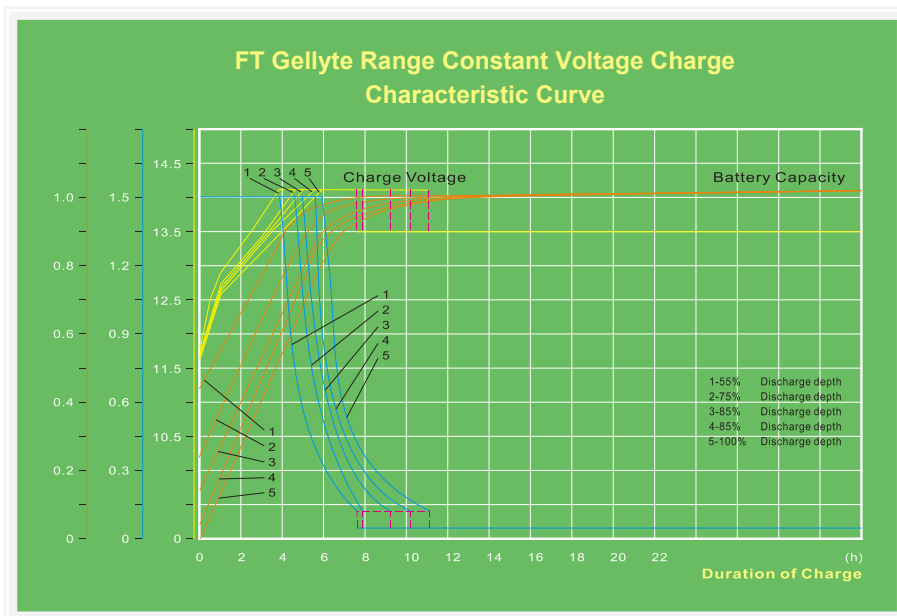


FT Gellyte Range Discharge Watts Per Cell @ 20°C (68°F)

Battery Model	End VPC	Discharge Watts Per Cell @ 20°C				End VPC	Discharge Watts Per Cell @ 20°C									
		Discharge Time In Minutes					Discharge Time In Hours									
		15	30	45	60		1.5	2	3	4	5	8	10	12	20	24
FGL6-200	1.80	537	360	273	219	1.85	165	139	101	80.6	65.1	45.8	37.8	32.3	19.1	16.4
	1.75	571	370	280	223	1.80	166	141	102	81.1	66.0	46.5	38.4	32.9	20.3	17.3
	1.67	617	390	289	231	1.75	168	143	104	82.7	67.1	46.8	39.1	33.4	20.7	17.5
FGL12-55	1.80	123	79.9	60.6	50.6	1.85	34.7	29.4	21.3	17.1	14.1	9.91	8.20	7.00	4.59	3.94
	1.75	133	82.6	62.4	51.8	1.80	36.5	30.9	22.4	17.8	14.9	10.5	8.67	7.43	4.87	4.14
	1.67	140	84.5	62.7	52.3	1.75	37.2	31.6	23.0	18.3	15.2	10.6	8.87	7.57	4.97	4.21
FGL12-80	1.80	230	150	113	94.7	1.85	64.9	55.0	39.8	31.7	26.4	18.6	15.3	13.2	8.58	7.40
	1.75	249	154	118	97.0	1.80	68.4	57.9	42.0	33.3	27.8	19.5	16.2	13.9	9.16	7.76
	1.67	262	157	118	97.8	1.75	69.7	59.4	43.0	34.1	28.3	19.9	16.7	14.2	9.28	7.88
FGL12-100	1.80	275	179	136	114	1.85	77.9	65.9	48.0	38.1	31.7	22.2	18.4	15.7	10.3	8.87
	1.75	299	186	140	117	1.80	82.1	69.5	50.6	40.0	33.4	23.4	19.6	16.7	10.9	9.27
	1.67	314	189	141	118	1.75	83.6	71.3	51.6	40.8	34.1	24.0	19.9	17.1	11.1	9.45
FGL12-110	1.80	307	200	152	127	1.85	86.6	73.4	53.2	42.4	35.3	24.8	20.6	17.5	11.4	9.86
	1.75	333	207	156	130	1.80	91.2	77.2	56.2	44.7	37.2	26.2	21.7	18.6	12.2	10.3
	1.67	349	211	156	130	1.75	93.0	79.2	57.4	45.5	37.8	26.6	22.1	18.9	12.4	10.5
FGL12-125	1.80	339	221	167	140	1.85	95.8	81.1	59.0	46.9	38.9	27.4	22.7	21.1	12.7	10.9
	1.75	367	228	172	143	1.80	101	85.5	62.2	49.4	41.0	28.8	24.0	22.4	13.4	11.4
	1.67	386	233	173	144	1.75	103	87.6	63.5	50.3	41.8	29.4	24.5	22.8	13.8	11.6
FGL12-130	1.80	353	230	174	146	1.85	100	84.3	61.4	48.8	40.5	28.5	23.6	21.9	13.2	11.3
	1.75	382	237	179	149	1.80	105	88.9	64.7	51.4	42.6	30.0	25.0	23.3	13.9	11.9
	1.67	401	242	180	150	1.75	107	91.1	66.0	52.3	43.5	30.6	25.5	23.7	14.4	12.1
FGL12-155	1.80	431	281	213	178	1.85	122	103	75.0	59.6	49.6	34.9	28.8	24.6	16.2	14.0
	1.75	469	290	220	183	1.80	129	109	79.2	62.8	52.4	36.7	30.6	26.1	17.2	14.5
	1.67	493	297	220	184	1.75	131	111	80.9	64.0	53.4	37.5	31.2	26.7	17.5	14.9
FGL12-180	1.80	498	325	246	206	1.85	142	119	86.7	69.0	57.3	40.4	33.3	28.5	18.6	16.2
	1.75	542	336	254	211	1.80	149	127	91.6	72.6	60.5	42.6	35.3	30.4	19.8	16.7
	1.67	570	344	254	212	1.75	151	130	93.5	73.9	61.6	43.2	36.1	30.8	20.2	17.2
FGL12-200	1.80	553	360	273	228	1.85	156	132	96.1	76.2	63.5	44.7	37.0	31.5	20.6	17.7
	1.75	600	372	282	234	1.80	164	140	101	80.4	67.0	47.1	39.1	33.4	22.0	18.6
	1.67	630	381	283	235	1.75	167	143	104	82.1	68.3	47.9	39.9	34.1	22.4	18.9
FGL12-250	1.80	691	450	341	285	1.85	195	169	121	95.3	79.3	55.9	46.1	39.4	25.7	22.1
	1.75	749	465	352	293	1.80	206	174	127	100	83.6	58.7	48.8	41.8	27.4	23.3
	1.67	787	475	354	294	1.75	209	177	129	102	85.3	59.7	49.8	42.6	27.9	23.7

Actual Battery Discharge Data may be +/-5% of figures shown above.

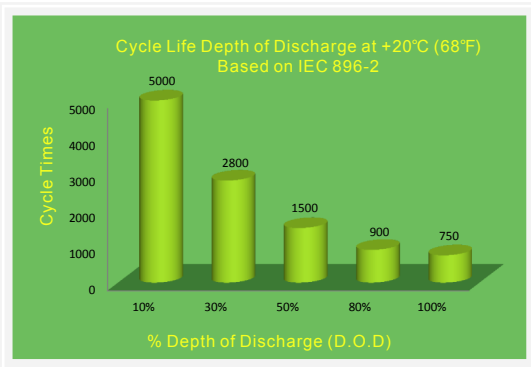




BATTERY CYCLING ABILITY

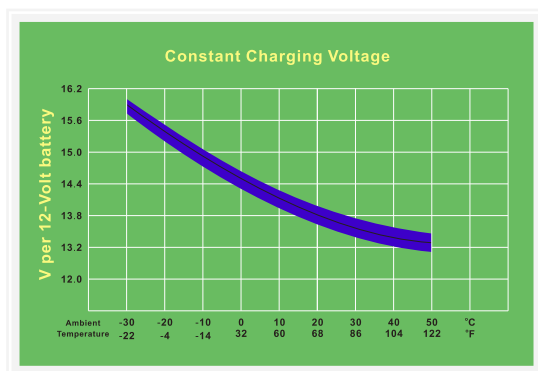
The EverExceed's FT Gellyte Range Battery excels in cycling applications.

FT Gellyte Range batteries are capable of 5000+ charge / discharge cycles depending on the depth of discharge.



TYPICAL CYCLIC PERFORMANCE

CAPACITY WITHDRAWN	CYCLES
100%	750
80%	900
50%	1500
30%	2800
10%	5000



CONSTANT CHARGING VOLTAGE:

Shown is the constant charging voltage in relation to the ambient temperature.

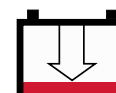
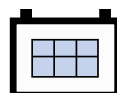
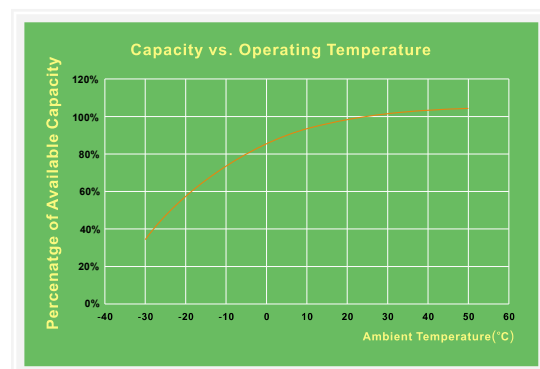
The bandwidth shows a tolerance of $\pm 30\text{mV/cell}$.

This constant voltage is suitable for continuous charging and cyclic operation.

In a parallel standby (floating) condition it always keeps the battery in a fully charged state; in a cyclic condition, it provides for rapid recharging and high cyclic performance.

CAPACITY VS. OPERATING TEMPERATURES:

Above are the changes in capacity for wider ambient temperature range, giving the available capacity, as a percentage of the rated capacity, at different ambient temperatures. The curves show the behavior of the battery after a number of cycles.



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