

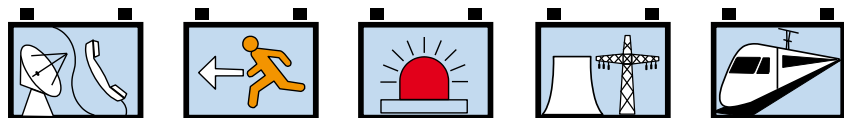


EverExceed[®]
power your applications

Front Access FT Gellyte Range VRLA



»Premium quality for uninterrupted communication«



www.everexceed.com



VRLA MONOBLOC Gellyte BATTERIES

55Ah to 200Ah @ 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
- UPS / EPS
- Remote Monitoring
- Broadband
- Emergency Lighting
- Solar / Photovoltaic
- Wind Generation
- Cathodic Protection
- CATV
- Data Center



Innovative Features

- ◆ Highly porous glass micro-fiber separator with GEL electrolyte;
- ◆ Special front access design comply with telecom 19"/ 23" cabinet for space limitation;
- ◆ Advanced Lead Tin alloy 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;
- ◆ 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;
- ◆ 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 gravity	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.

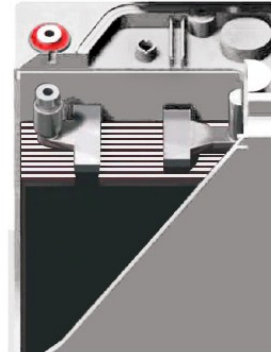
Marine transport. Classified as non-hazardous material as per IMDG amendment 27.

Air transport. Complies with IATA/ICAO, Special provision A67.

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 (>99.994%) 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 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.

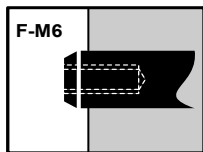
TERMINAL CONSTRUCTION - The contact quality between the copper insert female terminal and the lead post is of vital importance during short duration / high Amps discharge. Elevated terminal temperatures are the result of poor contact, eventually causing seal degradation and electrolyte leaks. EverExceed's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



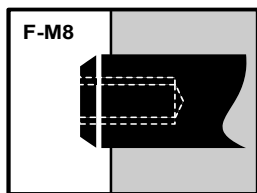
EverExceed FT Gellyte Range Electrical Specifications & Dimensions

Battery Model	Nom. Voltage (V)	Capacity C10 to 1.80VPC	Capacity C20 to 1.75 VPC	15 min. WPC to 1.67VPC	Short Circuit current Amps	Internal Resistance Milliohms	Female Terminal Type	Battery Weight		Outline Dimensions					
										Length		Width		Height	
								Kg	lbs	mm	inch	mm	inch	mm	inch
FGL-6200	6	200	220	619	3400	2.0	F-M8	32.0	70.4	363	14.3	125	4.92	250	9.84
FGL-1255	12	55.0	60.6	168	1480	6.7	F-M6	17.8	39.2	280	11.0	105	4.13	225	8.86
FGL-1275	12	75.0	82.6	227	2190	5.6	F-M6	26.8	59.0	560	22.0	115	4.53	185	7.28
FGL-1280	12	80.0	88.0	244	2330	5.3	F-M8	28.0	61.6	395	15.6	110	4.33	285	11.2
FGL-12100A	12	105	113	320	2850	5.0	F-M8	34.5	75.9	395	15.6	110	4.33	285	11.2
FGL-12100B	12	100	110	305	2800	5.1	F-M8	31.5	69.3	395	15.6	110	4.33	285	11.2
FGL-12110	12	110	121	333	3030	4.8	F-M8	30.0	66.1	510	20.1	110	4.33	225	8.86
FGL-12120A	12	125	136	375	3320	4.5	F-M8	35.0	77.0	395	15.6	110	4.33	285	11.2
FGL-12120B	12	120	132	363	3200	4.7	F-M8	32.0	70.4	550	21.7	110	4.33	240	9.45
FGL-12150	12	150	165	464	3550	4.2	F-M8	44.5	97.9	550	21.7	110	4.33	285	11.2
FGL-12155A	12	159	176	495	3690	4.0	F-M8	50.0	110	550	21.7	110	4.33	285	11.2
FGL-12155B	12	155	171	480	3620	4.2	F-M8	47.0	103	550	21.7	110	4.33	285	11.2
FGL-12170	12	170	187	526	4050	3.7	F-M8	53.0	117	560	22.0	125	4.92	316	12.4
FGL-12180A	12	185	204	574	4360	3.5	F-M8	58.0	128	560	22.0	125	4.92	316	12.4
FGL-12180B	12	180	198	557	4200	3.6	F-M8	53.5	118	560	22.0	125	4.92	316	12.4
FGL-12190	12	190	210	588	4650	3.4	F-M8	59.0	130	560	22.0	125	4.92	316	12.4
FGL-12200	12	200	220	619	4900	3.2	F-M8	60.0	132	560	22.0	125	4.92	316	12.4

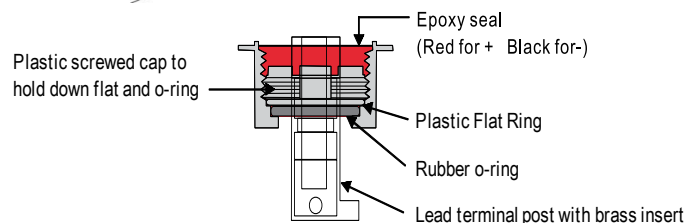
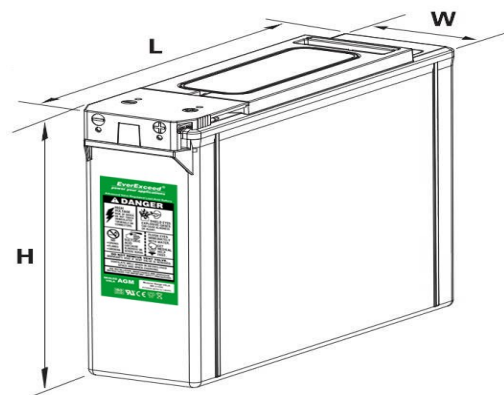
Terminal and Torque



9NM

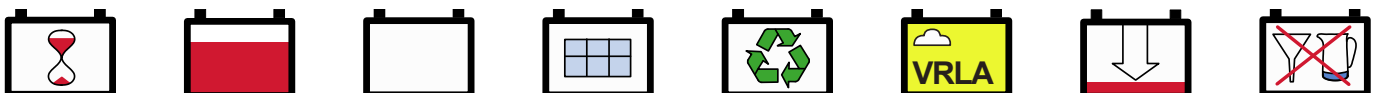
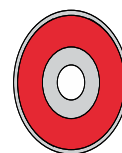


11NM



12 Years Design Life
 Grid Plate
 Monobloc Battery
 Nominal Capacity 55~200Ah
 Deep Discharge Recovery
 Maintenance Free
 Recyclable
 Valve Regulated Lead - Acid GEL

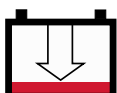
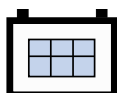
Float Voltage & Charging
 Constant voltage charging is recommended
 Recommended float voltage: 2.25VPC @ 20°C(68°F)
 Float voltage range: 2.25VPC to 2.27 VPC @ 20°C(68°F)
 Equalize voltage: 2.35VPC for 12 Hours



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							
		5	10	15	30	45	60		2	3	4	5	6	8	10	20
FGL-6200	1.8	465	350	298	205	155	124	1.85	141	152	161	166	178	185	194	210
	1.75	530	385	325	212	161	129	1.8	146	161	170	177	188	191	200	216
	1.67	612	428	352	215	163	131	1.75	149	165	175	180	195	198	203	220
FGL-1255	1.8	128	96.0	82.0	56.4	42.6	34.1	1.85	38.8	41.7	44.4	45.7	49.0	50.9	53.4	57.8
	1.75	146	106	89.4	58.3	44.3	35.5	1.8	40.2	44.4	46.8	48.7	51.7	52.6	55.0	59.4
	1.67	168	118	97.0	59.1	44.8	36.0	1.75	41.0	45.3	48.0	49.5	53.6	54.5	55.8	60.6
FGL-1275	1.8	174	131	112	76.9	58.1	46.5	1.85	52.8	57.0	60.4	62.5	66.6	69.4	72.8	78.8
	1.75	199	144	122	79.5	60.4	48.4	1.8	54.8	60.3	63.6	66.5	70.8	71.6	75.0	81.0
	1.67	230	161	132	80.6	61.1	49.1	1.75	55.8	61.8	65.6	67.5	73.2	74.2	76.1	82.6
FGL-1280	1.8	186	140	119	82.0	62.0	49.6	1.85	56.4	60.9	64.4	66.5	71.4	74.0	77.6	84.0
	1.75	212	154	130	84.8	64.4	51.6	1.8	58.4	64.5	68.0	71.0	75.0	76.4	80.0	86.4
	1.67	245	171	141	86.0	65.2	52.4	1.75	59.6	66.0	70.0	72.0	78.0	79.2	81.2	88.0
FGL-12100A	1.8	239	180	153	106	79.8	63.9	1.85	72.6	78.3	82.8	85.5	91.8	95.2	100	108
	1.75	273	198	167	109	82.9	66.4	1.8	75.2	82.8	87.6	91.0	96.6	98.4	103	111
	1.67	315	220	181	111	83.9	67.5	1.75	76.8	84.9	90.0	92.5	100	102	105	113
FGL-12100B	1.8	233	175	149	103	77.5	62.0	1.85	70.6	75.9	80.4	83.0	88.8	92.8	97.0	105
	1.75	265	193	163	106	80.5	64.5	1.8	73.0	80.4	85.2	88.5	94.2	95.2	100	108
	1.67	306	214	176	108	81.5	65.5	1.75	74.6	82.5	87.6	90.0	97.8	99.2	102	110
FGL-12110	1.8	256	193	164	113	85.3	68.2	1.85	77.6	83.7	88.4	91.5	97.8	102	107	116
	1.75	292	212	179	117	88.6	71.0	1.8	80.4	88.5	93.6	97.5	103	105	110	119
	1.67	337	235	194	118	89.7	72.1	1.75	82.0	90.9	96.4	99.0	107	109	112	121
FGL-12120A	1.8	287	216	184	127	95.8	76.6	1.85	87.2	93.9	100	103	110	114	120	130
	1.75	328	238	201	131	99.5	79.7	1.8	90.2	100	105	110	116	118	124	133
	1.67	378	265	218	133	101	81.0	1.75	92.0	102	108	111	121	122	125	136
FGL-12120B	1.8	279	210	179	123	93.0	74.4	1.85	84.6	91.2	96.8	100	107	111	116	126
	1.75	318	231	195	127	96.6	77.4	1.8	87.6	96.6	102	106	113	114	120	130
	1.67	367	257	211	129	98.0	78.6	1.75	89.4	99.0	105	108	117	119	122	132

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



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

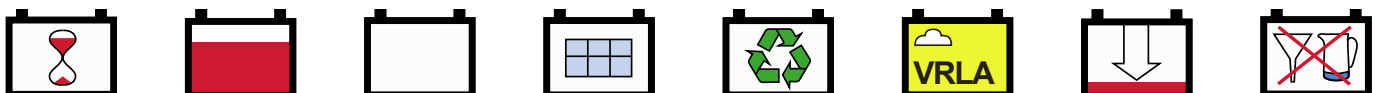
Battery Model	End VPC	Discharge Data Amps @ 20°C						End VPC	Discharge Data Ampere Hours @ 20°C							
		Discharge Time In Minutes							Discharge Time In Hours							
		5	10	15	30	45	60		2	3	4	5	6	8	10	20
FGL-12150	1.8	349	263	224	154	116	93	1.85	106	114	121	125	134	138	146	158
	1.75	398	289	244	159	121	97	1.8	110	121	128	133	141	143	150	162
	1.67	459	321	264	161	122	98	1.75	112	124	131	135	146	149	152	165
FGL-12155A	1.8	371	279	238	164	124	99	1.85	113	121	128	133	142	148	155	168
	1.75	423	307	259	169	129	103	1.8	117	128	136	142	150	153	160	172
	1.67	489	342	281	172	130	105	1.75	119	132	140	144	155	158	162	176
FGL-12155B	1.8	360	271	231	159	120	96	1.85	109	118	125	129	138	143	150	163
	1.75	411	298	252	164	125	100	1.8	113	125	132	137	146	148	155	167
	1.67	474	332	273	167	126	102	1.75	115	128	136	140	151	154	157	171
FGL-12170	1.8	395	298	253	174	132	105	1.85	120	129	137	141	151	158	165	179
	1.75	451	327	276	180	137	110	1.8	124	137	144	151	160	162	170	184
	1.67	520	364	299	183	139	111	1.75	127	140	149	153	166	168	173	187
FGL-12180A	1.8	431	324	276	190	144	115	1.85	131	141	149	154	165	171	180	195
	1.75	491	357	301	197	149	120	1.8	135	149	158	164	174	177	185	200
	1.67	567	397	326	199	151	121	1.75	138	153	162	167	181	183	188	204
FGL-12180B	1.8	419	315	268	185	140	112	1.85	127	137	145	150	160	166	175	189
	1.75	477	347	293	191	145	116	1.8	131	145	153	160	169	172	180	194
	1.67	551	385	317	194	147	118	1.75	134	149	158	162	176	178	183	198
FGL-12190	1.8	442	333	283	195	147	118	1.85	134	144	153	158	169	176	184	200
	1.75	504	366	309	201	153	123	1.8	139	153	162	168	179	182	190	206
	1.67	581	407	334	204	155	124	1.75	142	157	166	171	185	188	193	210
FGL-12200	1.8	465	350	298	205	155	124	1.85	141	152	161	166	178	185	194	210
	1.75	530	385	325	212	161	129	1.8	146	161	170	177	188	191	200	216
	1.67	612	428	352	215	163	131	1.75	149	165	175	180	195	198	203	220

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							
		5	10	15	30	45	60		2	3	4	5	6	8	10	20
FGL-6200	1.8	465	350	298	205	155	124	1.85	70.5	50.7	40.3	33.2	29.7	23.1	19.4	10.5
	1.75	530	385	325	212	161	129	1.8	73.0	53.7	42.5	35.4	31.3	23.9	20.0	10.8
	1.67	612	428	352	215	163	131	1.75	74.5	55.0	43.8	36.0	32.5	24.8	20.3	11.0
FGL-1255	1.8	128	96.0	82.0	56.4	42.6	34.1	1.85	19.4	13.9	11.1	9.13	8.16	6.36	5.34	2.89
	1.75	146	106	89.4	58.3	44.3	35.5	1.8	20.1	14.8	11.7	9.74	8.62	6.57	5.50	2.97
	1.67	168	118	97.0	59.1	44.8	36.0	1.75	20.5	15.1	12.0	9.90	8.94	6.81	5.58	3.03
FGL-1275	1.8	174	131	112	76.9	58.1	46.5	1.85	26.4	19.0	15.1	12.5	11.1	8.67	7.28	3.94
	1.75	199	144	122	79.5	60.4	48.4	1.8	27.4	20.1	15.9	13.3	11.8	8.95	7.50	4.05
	1.67	230	161	132	80.6	61.1	49.1	1.75	27.9	20.6	16.4	13.5	12.2	9.28	7.61	4.13
FGL-1280	1.8	186	140	119	82.0	62.0	49.6	1.85	28.2	20.3	16.1	13.3	11.9	9.25	7.76	4.20
	1.75	212	154	130	84.8	64.4	51.6	1.8	29.2	21.5	17.0	14.2	12.5	9.55	8.00	4.32
	1.67	245	171	141	86.0	65.2	52.4	1.75	29.8	22.0	17.5	14.4	13.0	9.90	8.12	4.40
FGL-12100A	1.8	239	180	153	106	79.8	63.9	1.85	36.3	26.1	20.7	17.1	15.3	11.9	10.0	5.41
	1.75	273	198	167	109	82.9	66.4	1.8	37.6	27.6	21.9	18.2	16.1	12.3	10.5	5.56
	1.67	315	220	181	111	83.9	67.5	1.75	38.4	28.3	22.5	18.5	16.7	12.7	10.6	5.67
FGL-12100B	1.8	233	175	149	103	77.5	62.0	1.85	35.3	25.3	20.1	16.6	14.8	11.6	9.70	5.25
	1.75	265	193	163	106	80.5	64.5	1.8	36.5	26.8	21.3	17.7	15.7	11.9	10.0	5.40
	1.67	306	214	176	108	81.5	65.5	1.75	37.3	27.5	21.9	18.0	16.3	12.4	10.2	5.50
FGL-12110	1.8	256	193	164	113	85.3	68.2	1.85	38.8	27.9	22.1	18.3	16.3	12.7	10.7	5.78
	1.75	292	212	179	117	88.6	71.0	1.8	40.2	29.5	23.4	19.5	17.2	13.1	11.0	5.94
	1.67	337	235	194	118	89.7	72.1	1.75	41.0	30.3	24.1	19.8	17.9	13.6	11.2	6.05
FGL-12120A	1.85	287	216	184	127	95.8	76.6	1.85	43.6	31.3	24.9	20.5	18.3	14.3	12.0	6.49
	1.8	328	238	201	131	99.5	79.7	1.8	45.1	33.2	26.3	21.9	19.4	14.8	12.5	6.67
	1.75	378	265	218	133	101	81.0	1.75	46.0	34.0	27.0	22.2	20.1	15.3	12.5	6.80
FGL-12120B	1.8	279	210	179	123	93.0	74.4	1.85	42.3	30.4	24.2	19.9	17.8	13.9	11.6	6.30
	1.75	318	231	195	127	96.6	77.4	1.8	43.8	32.2	25.5	21.2	18.8	14.3	12.0	6.48
	1.67	367	257	211	129	98	78.6	1.75	44.7	33.0	26.3	21.6	19.5	14.9	12.2	6.60

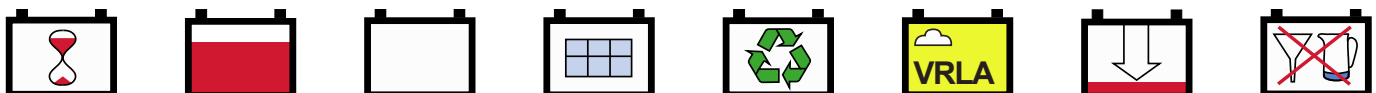
Actual Battery Discharge Data may be +/-5% of figures shown above.



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							
		5	10	15	30	45	60		2	3	4	5	6	8	10	20
FGL-12150	1.8	349	263	224	154	116	93	1.85	52.9	38.0	30.2	24.9	22.3	17.3	14.6	7.88
	1.75	398	289	244	159	121	97	1.8	54.8	40.3	31.9	26.6	23.5	17.9	15.0	8.10
	1.67	459	321	264	161	122	98	1.75	55.9	41.3	32.8	27.0	24.4	18.6	15.2	8.25
FGL-12155A	1.8	371	279	238	164	124	99	1.85	56.3	40.4	32.1	26.5	23.7	18.5	15.5	8.38
	1.75	423	307	259	169	129	103	1.8	58.3	42.8	33.9	28.3	25.0	19.1	16.0	8.62
	1.67	489	342	281	172	130	105	1.75	59.5	43.9	34.9	28.7	25.9	19.8	16.2	8.78
FGL-12155B	1.8	360	271	231	159	120	96	1.85	54.6	39.3	31.2	25.7	23.0	17.9	15.0	8.14
	1.75	411	298	252	164	125	100	1.8	56.6	41.6	32.9	27.4	24.3	18.5	15.5	8.37
	1.67	474	332	273	167	126	102	1.75	57.7	42.6	33.9	27.9	25.2	19.2	15.7	8.53
FGL-12170	1.8	395	298	253	174	132	105	1.85	59.9	43.1	34.2	28.2	25.2	19.7	16.5	8.93
	1.75	451	327	276	180	137	110	1.8	62.1	45.6	36.1	30.1	26.6	20.3	17.0	9.18
	1.67	520	364	299	183	139	111	1.75	63.3	46.8	37.2	30.6	27.6	21.0	17.3	9.35
FGL-12180A	1.8	431	324	276	190	144	115	1.85	65.4	47.0	37.3	30.8	27.5	21.4	18.0	9.73
	1.75	491	357	301	197	149	120	1.8	67.7	49.7	39.4	32.8	29.0	22.1	18.5	10.0
	1.67	567	397	326	199	151	121	1.75	69.1	51.0	40.6	33.4	30.1	22.9	18.8	10.2
FGL-12180B	1.8	419	315	268	185	140	112	1.85	63.5	45.6	36.2	29.9	26.7	20.8	17.5	9.45
	1.75	477	347	293	191	145	116	1.8	65.7	48.3	38.3	31.9	28.2	21.5	18.0	9.72
	1.67	551	385	317	194	147	118	1.75	67.1	49.5	39.4	32.4	29.3	22.3	18.3	9.90
FGL-12190	1.8	442	333	283	195	147	118	1.85	67.0	48.1	38.2	31.5	28.2	22.0	18.4	10.0
	1.75	504	366	309	201	153	123	1.8	69.4	51.0	40.4	33.6	29.8	22.7	19.0	10.3
	1.67	581	407	334	204	155	124	1.75	70.8	52.3	41.6	34.2	30.9	23.5	19.3	10.5
FGL-12200	1.8	465	350	298	205	155	124	1.85	70.5	50.7	40.3	33.2	29.7	23.1	19.4	10.5
	1.75	530	385	325	212	161	129	1.8	73.0	53.7	42.5	35.4	31.3	23.9	20.0	10.8
	1.67	612	428	352	215	163	131	1.75	74.5	55.0	43.8	36.0	32.5	24.8	20.3	11.0

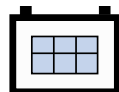
Actual Battery Discharge Data may be +/-5% of figures shown above.



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

Battery Model	End VPC	Discharge Data Watts per Cell @ 20°C						End VPC	Discharge Data Watts per Cell @ 20°C							
		Discharge Time In Minutes							Discharge Time In Hours							
		5	10	15	30	45	60		2	3	4	5	6	8	10	20
FGL-6200	1.8	806	618	553	387	300	238	1.85	134	100	79.3	66.0	57.5	45.5	38.0	21.5
	1.75	904	675	582	403	309	246	1.8	138	103	82.0	69.1	58.6	47.5	39.3	22.2
	1.67	988	730	619	413	315	249	1.75	140	104	82.7	70.5	60.0	48.3	40.3	22.6
FGL-1255	1.8	232	177	147	96.0	72.8	60.8	1.85	38.9	28.0	22.1	19.5	18.4	12.6	10.6	5.90
	1.75	255	190	160	99.3	75.1	62.3	1.8	41.0	29.5	23.3	20.6	19.4	13.3	11.1	6.20
	1.67	278	204	168	102	74.4	63.0	1.75	42.0	30.1	23.7	21.0	19.8	13.5	11.3	6.30
FGL-1275	1.8	313	239	199	129	98.8	81.9	1.85	52.4	37.6	30.0	25.3	24.8	17.3	14.5	8.20
	1.75	344	256	216	134	102	84.4	1.8	55.0	39.6	31.3	26.0	26.1	17.9	14.8	8.40
	1.67	375	276	227	137	103	85.0	1.75	56.4	40.4	31.8	26.6	26.8	18.2	15.2	8.50
FGL-1280	1.8	337	258	214	139	106	88.4	1.85	56.6	40.6	32.1	28.3	26.7	18.4	15.4	8.60
	1.75	370	276	233	144	109	90.6	1.8	59.6	42.8	33.9	29.9	28.2	19.4	16.1	9.00
	1.67	404	296	244	148	110	91.5	1.75	61.1	43.7	34.5	30.4	28.7	19.7	16.4	9.20
FGL-12100A	1.8	441	338	280	179	136	113	1.85	72.7	52.2	41.2	36.4	34.3	23.6	19.8	11.0
	1.75	485	361	305	185	140	116	1.8	76.5	55.0	43.5	38.3	36.2	24.8	20.6	11.5
	1.67	529	389	320	190	141	117	1.75	78.5	56.1	44.3	39.0	36.9	25.3	21.1	11.8
FGL-12100B	1.8	420	322	267	174	132	110	1.85	70.6	50.7	40.0	35.3	33.3	22.9	19.2	10.7
	1.75	462	344	290	180	136	113	1.8	74.3	53.4	42.2	37.2	35.1	24.1	20.0	11.2
	1.67	504	370	305	184	137	114	1.75	76.2	54.5	43.0	37.9	35.8	24.6	20.5	11.5
FGL-12110	1.8	459	351	292	190	145	120	1.85	77.1	55.4	43.8	38.6	36.4	25.0	21.0	11.7
	1.75	505	376	317	197	149	124	1.8	81.2	58.4	46.1	40.6	38.3	26.4	21.9	12.3
	1.67	550	404	333	201	150	125	1.75	83.3	59.6	47.0	41.6	39.2	26.8	22.3	12.6
FGL-12120A	1.8	516	394	329	213	163	135	1.85	86.4	61.9	49.4	41.7	40.9	28.5	23.9	13.5
	1.75	568	422	356	221	168	139	1.8	90.6	65.3	51.6	42.8	43.1	29.6	24.4	13.8
	1.67	618	454	375	226	169	140	1.75	92.9	66.5	52.4	43.8	44.1	30.0	25.0	14.0
FGL-12120B	1.8	501	383	319	207	158	131	1.85	83.9	60.1	48.0	40.5	39.7	27.7	23.2	13.1
	1.75	551	410	346	215	163	135	1.8	88.0	63.4	50.1	41.6	41.8	28.7	23.7	13.4
	1.67	600	441	363	219	164	136	1.75	90.2	64.6	50.9	42.5	42.8	29.1	24.3	13.6

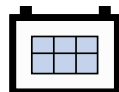
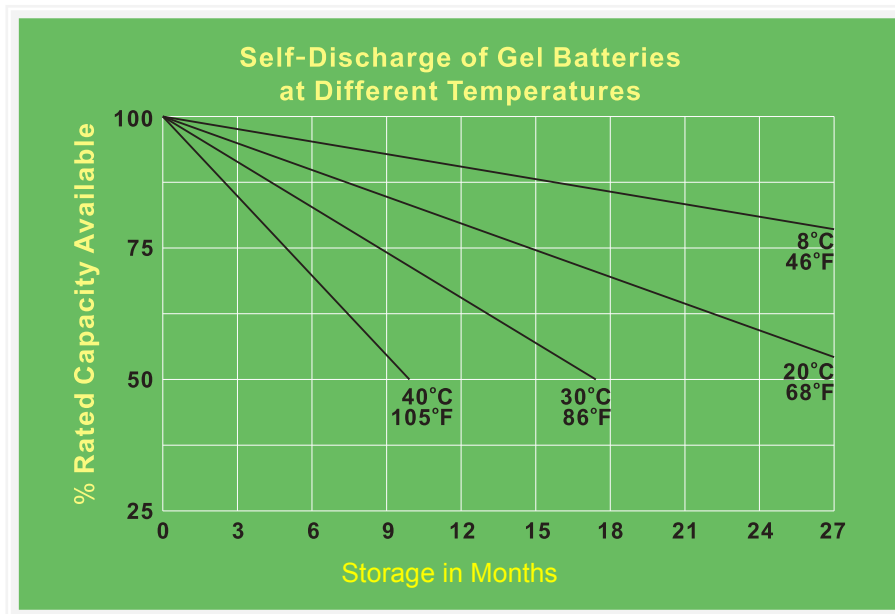
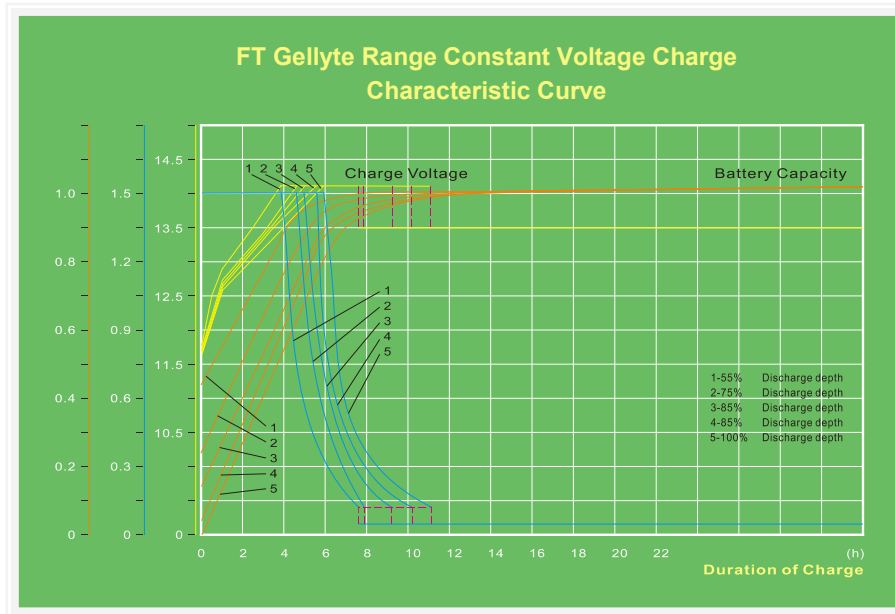
Actual Battery Discharge Data may be +/-5% of figures shown above.



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

Battery Model	End VPC	Discharge Data Watts per Cell @ 20°C						End VPC	Discharge Data Watts per Cell @ 20°C							
		Discharge Time In Minutes							Discharge Time In Hours							
		5	10	15	30	45	60		2	3	4	5	6	8	10	20
FGL-12150	1.8	605	464	415	290	225	179	1.85	101	75.0	59.5	49.5	43.1	34.1	28.5	16.1
	1.75	678	506	437	302	232	185	1.8	104	77.3	61.5	51.8	44.0	35.6	29.5	16.7
	1.67	741	548	464	310	236	187	1.75	105	78.0	62.0	52.9	45.0	36.2	30.2	17.0
FGL-12155A	1.8	643	493	441	309	239	190	1.85	106	79.1	62.7	52.2	45.5	36.0	30.0	17.0
	1.75	722	539	465	322	247	196	1.8	109	81.4	64.8	54.6	46.3	37.5	31.1	17.5
	1.67	789	583	495	330	251	199	1.75	111	82.2	65.4	55.7	47.4	38.2	31.9	17.9
FGL-12155B	1.8	625	479	429	300	233	184	1.85	104	77.5	61.5	51.2	44.6	35.3	29.5	16.7
	1.75	701	523	451	312	239	191	1.8	107	79.8	63.6	53.6	45.4	36.8	30.5	17.2
	1.67	766	566	480	320	244	193	1.75	109	80.6	64.1	54.6	46.5	37.4	31.2	17.5
FGL-12170	1.8	685	525	470	329	255	202	1.85	114	85.0	67.4	56.1	48.9	38.7	32.3	18.3
	1.75	768	574	495	343	263	209	1.8	117	87.6	69.7	58.7	49.8	40.4	33.4	18.9
	1.67	840	621	526	351	268	212	1.75	119	88.4	70.3	59.9	51.0	41.1	34.3	19.2
FGL-12180A	1.8	747	573	513	359	278	221	1.85	124	92.7	73.5	61.2	53.3	42.2	35.2	19.9
	1.75	838	626	540	374	286	228	1.8	128	95.5	76.0	64.1	54.3	44.0	36.4	20.6
	1.67	916	677	574	383	292	231	1.75	130	96.4	76.7	65.4	55.6	44.8	37.4	21.0
FGL-12180B	1.8	725	556	498	348	270	214	1.85	121	90.0	71.4	59.4	51.8	41.0	34.2	19.4
	1.75	814	608	524	363	278	221	1.8	124	92.7	73.8	62.2	52.7	42.8	35.4	20.0
	1.67	889	657	557	372	284	224	1.75	126	93.6	74.4	63.5	54.0	43.5	36.3	20.3
FGL-12190	1.8	766	587	525	368	285	226	1.85	127	95.0	75.3	62.7	54.6	43.2	36.1	20.4
	1.75	859	641	553	383	294	234	1.8	131	97.9	77.9	65.6	55.7	45.1	37.3	21.1
	1.67	939	694	588	392	299	237	1.75	133	98.8	78.6	67.0	57.0	45.9	38.3	21.5
FGL-12200	1.8	806	618	553	387	300	238	1.85	134	100	79.3	66.0	57.5	45.5	38.0	21.5
	1.75	904	675	582	403	309	246	1.8	138	103	82.0	69.1	58.6	47.5	39.3	22.2
	1.67	988	730	619	413	315	249	1.75	140	104	82.7	70.5	60.0	48.3	40.3	22.6

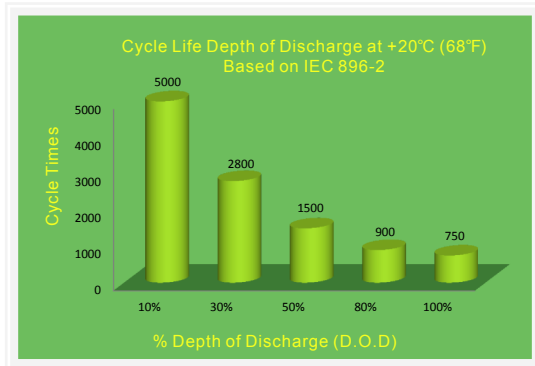
Actual Battery Discharge Data may be +/-5% of figures shown above.



BATTERY CYCLING ABILITY

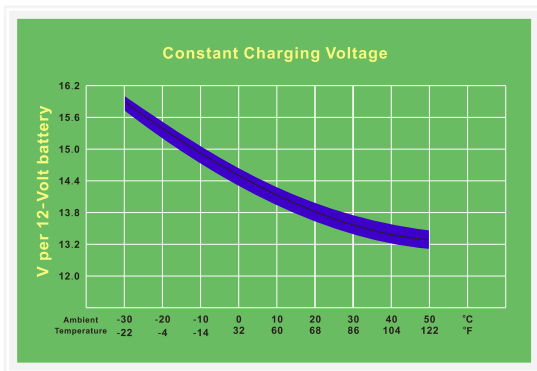
The EverExceed's FT Gellyte Range Battery excels in cycling applications.

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.

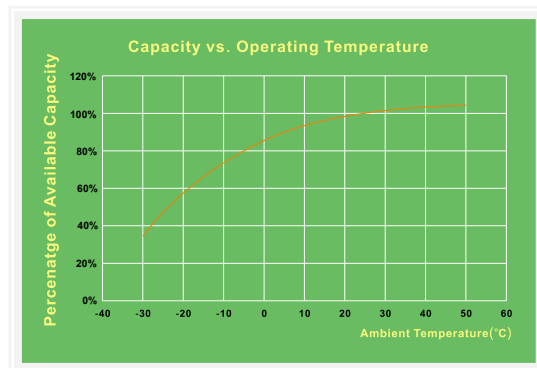
The bandwidth shows a tolerance of $\pm 30\text{mV}/\text{cell}$.

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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