

CELLYTE 12FTGT Range

Deep Cycle Tubular Plate Front Terminal VRLA Gel Battery 15 Year Design Life in float service

Range available 12FTGT100 & 12FTGT150
Capacity: 100Ah. & 150Ah.^o@ C/10 to 1.80Vpc at 20 C



SEC **CELLYTE** 12FTGT Series front access Valve Regulated Lead Acid batteries are designed to meet with expectation of heavy duty, robust and reliable service at high temperature batteries from both telecommunication networks and Solar systems. 12FTGT batteries benefit from an optimized tubular plates and gelled electrolyte to offer both longest float life and deep cycle life.

General Features

- * Sealed and maintenance free operation.
- * Non-Spillable construction design.
- * ABS containers and covers(UL94 V0, optional)
- * Safety valve installation for explosion proof
- * High quality and high reliability.
- * Super long service life.
- * Lowest self discharge characteristic.

Application

- Telecommunications
- Medical Equipment
- Cable Television
- UPS
- Electric Utility
- Railroad Utility
- Control Equipment
- Photovoltaic System
- Security System
- Alternative Energy System

Construction

- * Electrolyte Thixotropic Gel
- * Positive Lead dioxide
- * Negative Lead
- * Container ABS
- * Cover ABS
- * Sealant Epoxy Resin
- * Safety valve EPDR
- * Terminal Copper
- * Separator Polymer

Manufacturing Standards



CELLYTE 12FTGT Bloc Data & Dimensions

SEC Battery Type	Capacity 20Hr. (5.35A 1.80V)	Capacity 10Hr. (10A 1.80V)	Capacity 5Hr. (17.2A 1.80V)	Capacity 1Hr. (54A 1.80V)	Internal Resistance Ohms(Fully Charged at 20°C)	Female Terminal Type	Battery Weight		Overall Battery Dimensions					
							Kg	lbs	Length		Width		Height	
									Inch	mm	Inch	mm	Inch	mm
12FTGT 100	107Ah.	100Ah.	86Ah.	54Ah.	0.0055	FT 5 - M8	36.5	80.5	21.99	558	4.89	124	8.96	228
12FTGT 150	160Ah.	150Ah.	129Ah.	81Ah.	0.004	FT 5 - M8	55.0	121.3	21.99	558	4.89	124	8.96	228

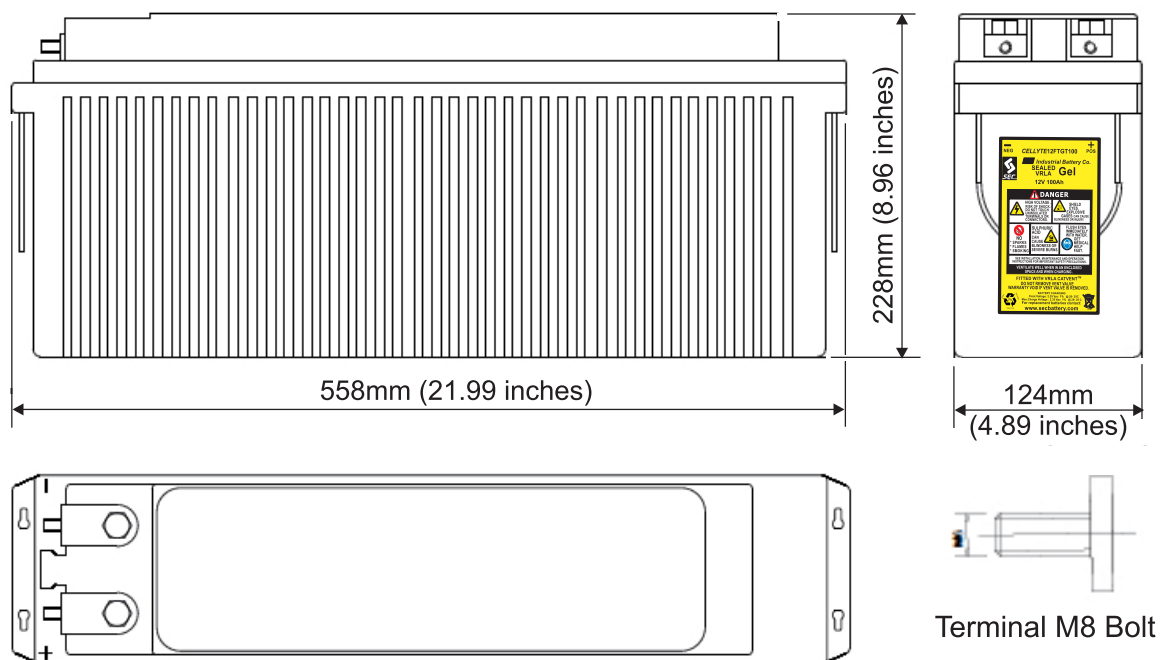
Capacity affected by temperature (10Hr.)	40°C	20°C	0°C	-15°C
		109%	100%	85%

12FTGT100 Constant Current Discharge - Amperes at 20°C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.70V	127	87.7	57.4	34.1	26.5	21.1	17.6	12.5	10.5	5.50
1.75V	116	84.0	55.2	33.5	26.0	20.8	17.4	12.3	10.3	5.42
1.80V	103	78.3	54.0	32.5	25.5	20.5	17.2	12.0	10.0	5.35
1.83V	94.7	74.3	52.0	31.6	24.0	19.5	16.5	11.5	9.80	5.28
1.87V	83.4	67.3	48.0	29.8	22.7	18.5	15.8	11.0	9.40	5.16
1.90V	75.2	61.2	43.4	28.1	21.4	17.6	15.1	10.5	9.10	5.06

12FTGT100 Constant Power Discharge - Watts at 20°C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.70V	210	150	118	61.1	50.7	42.9	38.2	25.9	21.7	11.9
1.75V	186	146	107	59.7	50.6	42.2	37.2	25.5	20.6	11.6
1.80V	165	140	97.9	60.4	50.0	41.5	36.3	24.6	20.1	11.2
1.83V	157	132	93.4	60.1	49.6	40.7	35.4	24.2	19.7	11.0
1.87V	147	123	91.4	59.4	48.5	40.1	35.1	22.9	19.0	10.6
1.90V	140	112	87.8	56.9	46.8	38.7	33.8	22.5	18.4	10.2



12FTGT150 Constant Current Discharge - Amperes at 20° C

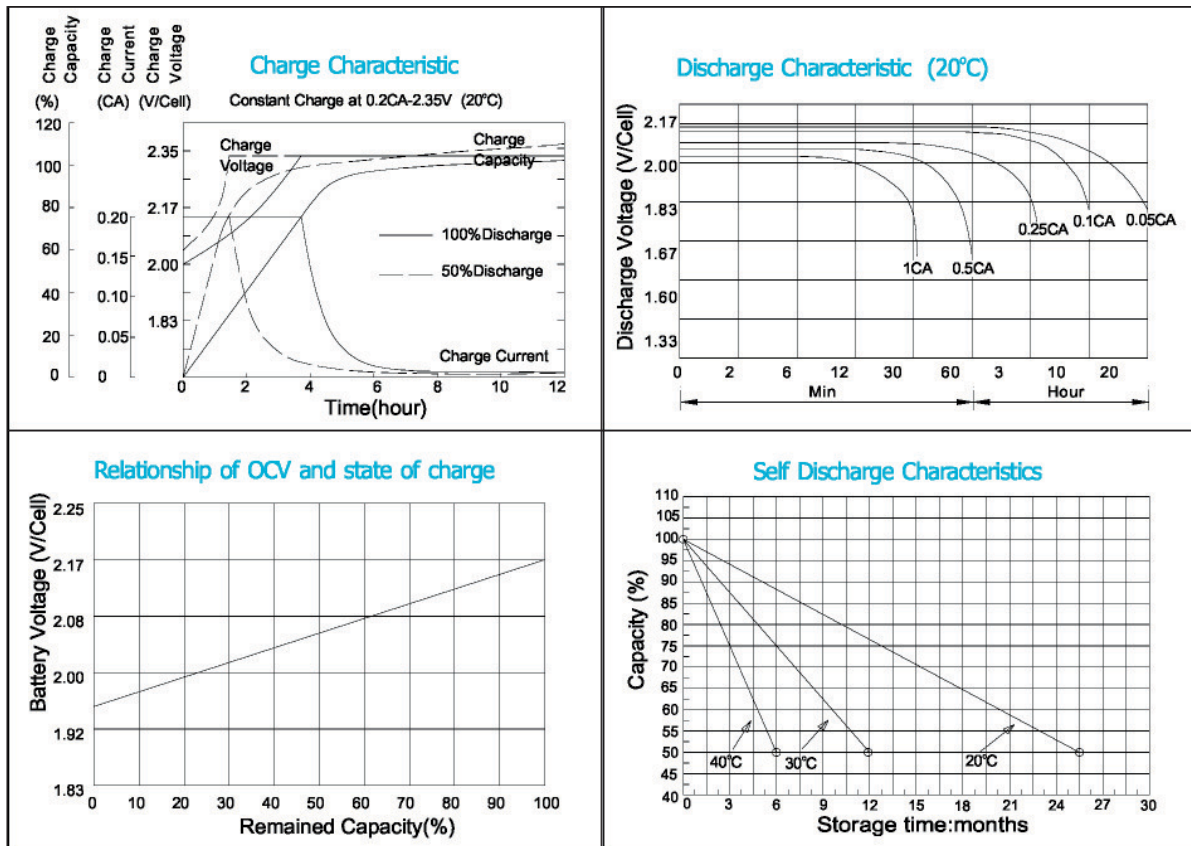
F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.70V	190	131	86.1	51.2	39.8	31.7	26.4	18.8	15.8	8.3
1.75V	174	126	82.8	50.3	39.0	31.2	26.1	18.5	15.5	8.1
1.80V	154	117	81.0	48.8	38.3	30.8	25.8	18.0	15.0	8.0
1.83V	142	111	78.0	47.4	36.0	29.3	24.8	17.3	14.7	7.9
1.87V	126	101	72.0	44.7	34.1	27.8	23.7	16.5	14.1	7.7
1.90V	108	91.8	65.1	42.2	32.1	26.4	22.7	15.8	13.7	7.6

12FTGT150 Constant Power Discharge - Watts at 20°C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.70V	315	225	177	91.7	76.1	64.4	57.3	38.9	32.6	17.9
1.75V	279	219	160	89.6	75.9	63.3	55.8	38.3	30.9	17.4
1.80V	247	210	146	90.6	75.0	62.3	54.5	36.9	30.2	16.8
1.83V	235	189	140	90.2	74.4	61.1	53.1	36.3	29.6	16.5
1.87V	220	184	137	89.1	72.8	60.2	52.7	34.4	28.5	15.9
1.90V	210	168	131	85.4	70.2	58.1	50.7	33.8	27.6	15.3

Self Discharge	2% of Capacity declined per month at 20°C
----------------	---

Charge Voltage 20°C	Cycle use	Float use
	14.1V - 14.4V (-30mV / °C) Maximum Current: 20A	13.5 - 13.7V (-18mV / °C)





SEC Industrial Battery Co. range of products

<p>CELLYTE 2CMT/G Modular Steel Rack</p>	<p>CELLYTE 2TLM/G Tubular Steel Rack</p>	<p>CELLYTE 2CMT/G, CELLYTE 2TLM/G with Catalyst</p>	
<p>CELLYTE 12PLF & 12PLT Range</p>	<p>CELLYTE 12FTA/G Range</p>	<p>CELLYTE 6-12TUA Range</p>	<p>CELLYTE 6-12TSG Range</p>
<p>CELLYTE 6-12TLA Range</p>	<p>CELLYTE 6-12TLG Range</p>	<p>MICROLYTE +Plus Range</p>	<p>MICROLYTE Red Top Range</p>
<p>CELLYTE 2ETG OPzV Range Tubular Steel Rack</p>	<p>SEC Tubular OPzS Range</p>	<p>Nickel Cadmium Range Pocket Plate flooded and VR</p>	<p>Typical VRLA catalyst</p>

SEC Industrial Battery Co. Ltd.
Thorney Weir House, Iver
Bucks SLO 9AQ, ENGLAND
Tel 44 1895 431543
Fax 44 1895 431880
brian.harper@secbattery.com

SEC European Sales Office
42 rue de la Rochette
77000 Melun
France
Tel 33 6 75 59 06 92
christian.dhainaut@secbattery.com

SEC Industrial Battery Co. Bsc
P.O. Box 32225
Kingdom of Bahrain
Tel 97317 721322
Fax 97317 740743
sujo.pulikottil@secbattery.com

SEC Industrial Battery Co. Ltd.
Unit 6. 6/f, Hewlett Centre
No. 54 Hoi Yuen Road, Kwun Tong
Tel 852 230 44382
Fax 852 230 44013
duncan.low@secbattery.com

SEC
Industrial Battery Co.
world wide supplier

