

▶ **12V**
FRONT TERMINAL
SERIES

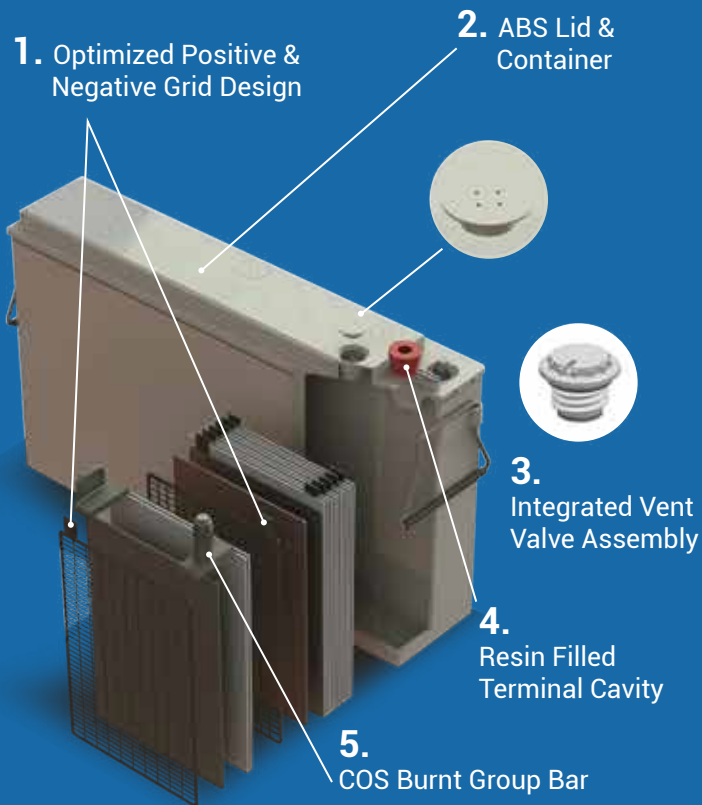




Exide Industries Limited is lot more than just the leading battery manufacturer in India. It is a world of innovation that builds relationships across every domain in India & beyond. We have set new world standards in battery technology through our focus on excellence, commitment & reliability. Over the decades, EXIDE have become the driving force in principal economic sectors globally by creating cutting edge tailor made customized solutions and producing never seen before technological capabilities. Today EXIDE is a leading manufacturer of the entire gamut of secondary battery applications from motorcycle to large commercial vehicles, small UPS batteries to large submarine batteries and is constantly evolving as a manufacturer to drive performance through excellence.

The brand EXIDE has grown steadily, modernized it's manufacturing processes & taken benchmark initiatives on the service front to become one of the largest manufacturers and exporters of batteries in South & South-East Asia. Continuous innovations have helped the company produce the world's largest range of industrial batteries extending range from 2.5 Ah to 15000 Ah covering various technology platforms. With an unmatched customer preference resulting in an ever growing Market Share, EXIDE is a force that's not only driving your motorcycles or cars or the MHE's, it is the force that is moving the Nation for the last 7 decades. Recognition of our pursuit of quality was achieved when RWTUV of Germany awarded us the ISO 9001. We have also received ISO 14001 Certificate in recognition of our eco-friendly production processes. Our Automotive Division is certified to ISO/TS-16949. Exide has subsidiaries in the UK, Singapore and Sri Lanka and its exports span 45 countries across six continents in a growing list of overseas customers.

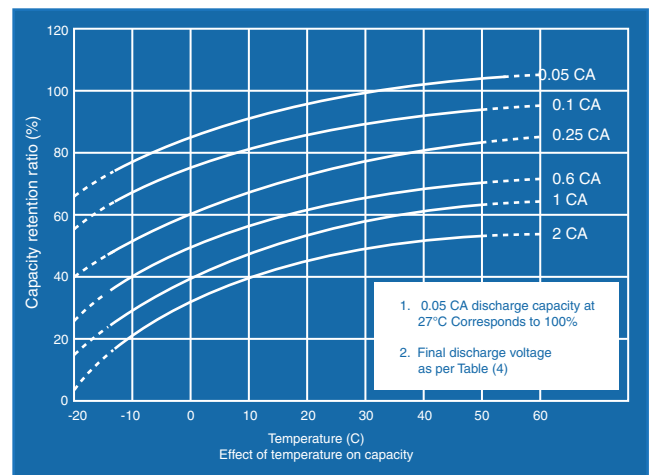
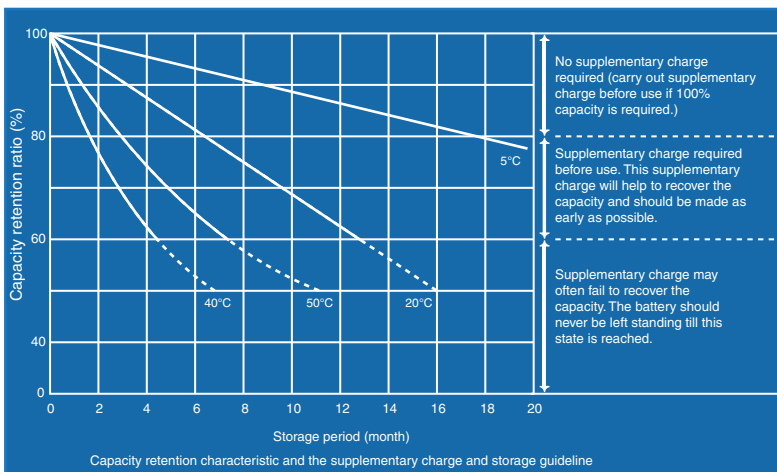
Constructional Features:



- ▶ Special Ca-Sn alloy for longer life and less gassing.
- ▶ Special paste recipe for longer cycle life.
- ▶ COS burnt group bars with lead tin alloy for improved conductivity.
- ▶ FRV0 grade lid & container.
- ▶ Integrated Vent Valve assembly with flame arrestor.
- ▶ FR Grade resin sealed terminal.

Battery Features:

- ▶ Singular technology with long term reliability.
- ▶ Maintenance free AGM VRLA battery with synthetic fiber reinforced absorbent glass mat to ensure high recombination efficiency and life-long compression retention.
- ▶ ABS container and cover resists bulging.
- ▶ Flame retardant grade ABS (FRV0) meets safety requirements.
- ▶ Container and cover heat sealed and 100% tested to prevent leaks.
- ▶ Corrosion- resistant Lead-Calcium-Tin positive grid alloy, low gassing and water loss feature ensure long service life.
- ▶ Flame arresting and self-resealing vent valves.
- ▶ Terminals with brass insert for maximum conductivity and epoxy sealing for eliminating leaks.
- ▶ Computer aided design and manufacturing process controls ensure quality products.
- ▶ True front access and sleek battery design for ease of maintenance and optimal space utilization.
- ▶ Suitable for rack or cabinet installation.



Specification:

		FT 12V, 100 Ah	FT 12V, 150 Ah	FT 12V, 170 Ah	FT 12V, 200 Ah
Nominal Voltage		12V	12V	12V	12V
Power/Cell		100Ah@ C ₁₀ upto 1.80 ECV at 25°C	150Ah@ C ₁₀ upto 1.80 ECV at 25°C	170Ah@ C ₁₀ upto 1.80 ECV at 25°C	200Ah@ C ₁₀ upto 1.80 ECV at 25°C
*Dimensions	Length (L)	511 ± 3mm	559 ± 1mm	559 ± 1mm	617 ± 1mm
	Width (W)	110 ± 3mm	125 ± 1mm	125 ± 1mm	126 ± 1mm
	Height (H)	240 ± 3mm	298 ± 3mm	320 ± 3mm	324 ± 3mm
Weight		34.0 kg ± 5%	52.2 kg ± 5%	54.4 kg ± 5%	68.5 kg ± 5%
Terminal Type		M6×20 mm	M6×20 mm	M6×20 mm	M6×20 mm
Design Life		10 years in float applications at 25°C	10 years in float applications at 25°C	10 years in float applications at 25°C	10 years in float applications at 25°C

Charge Characteristics:

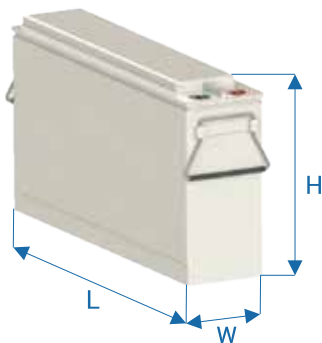
Float Voltage	13.5V to 13.7V	Charging Current		Installation	
Boost Voltage	13.9V to 14.1V	Max 0.3CA	Min 0.1CA	Terminal Tightness	4.9 N-m

Standards:

Electrical performance in compliance with IEC 60896-21/22

Additional Features:

International Dimensional Compliance Suitable for 19" & 23" Rack Installation



Product Range	Length (L)	Width (W)	Height (H)	Weight (Kg)
12V 100Ah FT	493	110	231	31.2
12V 150Ah FT	559	126	299	50.9
12V 170Ah FT	559	126	320	56.0
12V 200AH FT	618	126	326	70.0

Application of Front Terminal:

▶ Telecom ▶ Data Center ▶ Industrial UPS

▶ FT 100 Ah

Constant Current Discharge Rating Amps per cell at 25°C									
ECV	10 MIN	15 MIN	20 MIN	30 MIN	1 HR	3 HR	5 HR	8 HR	10 HR
1.70	204.3	166.6	144.4	102.1	66.1	27.8	20.1	13.0	10.5
1.75	189.8	157.6	137.1	97.8	63.3	27.0	19.1	12.5	10.1
1.80	172.3	149.0	129.0	93.6	62.5	26.8	18.0	12.2	10
1.85	151.7	128.1	117.9	82.7	60.8	25.0	17.1	11.6	10.32
1.90	140.3	131.4	113.6	79.0	43.0	21.4	15.0	10.6	9.1

▶ FT 150 Ah

Constant Current Discharge Rating Amps per cell at 25°C									
ECV	10 MIN	15 MIN	20 MIN	30 MIN	1 HR	3 HR	5 HR	8 HR	10 HR
1.70	334.5	273.0	227.3	169.5	99.6	41.7	27.5	18.5	15.32
1.75	312.7	260.4	220.1	165.0	96.6	40.6	27.0	18.8	15.17
1.80	284.9	242.4	208.0	158.1	93.0	39.8	26.6	18.4	15.0
1.85	251.3	216.6	189.9	147.6	86.8	38.0	25.6	17.7	14.3
1.90	235.3	208.8	179.2	147.2	77.0	34.7	23.7	16.4	13.6

▶ FT 170 Ah

Constant Current Discharge Rating Amps per cell at 25°C									
ECV	10 MIN	15 MIN	20 MIN	30 MIN	1 HR	3 HR	5 HR	8 HR	10 HR
1.70	335.6	289.9	239.7	183.6	108.0	46.1	30.8	21.2	17.8
1.75	315.2	274.3	230.5	177.5	103.0	45.3	30.3	20.9	17.5
1.80	285.6	259.3	216.2	170.7	94.4	43.4	29.2	20.2	17.0
1.85	252.5	223.0	193.8	158.8	90.8	41.1	27.4	19.3	16.1
1.90	235.6	209.3	178.3	149.8	83.1	39.5	26.8	18.6	15.3

▶ FT 200 Ah

Constant Current Discharge Rating Amps per cell at 25°C									
ECV	10 MIN	15 MIN	20 MIN	30 MIN	1 HR	3 HR	5 HR	8 HR	10 HR
1.70	392.5	329.3	284.9	214.7	160.0	67.0	40.1	26.0	21.0
1.75	368.6	314.2	269.6	207.6	152.0	60.3	38.3	25.0	20.3
1.80	334.0	291.9	252.9	199.6	143.0	58.3	37.2	24.4	20.0
1.85	287.5	259.9	226.7	185.7	130.0	54.7	35.2	23.2	19.0
1.90	255.2	220.3	192.5	152.3	110.0	48.6	31.7	21.1	17.2



Exide Industries Limited, India

Head Office: Kolkata: 'Exide House', 59E Chowringhee Road, Kolkata- 700 020

Phone: +91 33 2283 2120 / 2133, **Fax:** +91 33 2283 2637/ 2283 2632

Corporate Marketing Office: Kolkata: 6A, Hatibagan Road, Entally, Kolkata- 700 014

Phone: +91 33 2286 6158 / 59, **Fax:** +91 33 2286 6186

Visit Us at: www.exideindustries.com

E-mail: ShubhankarP@exide.co.in

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