

POWERING THE WORLD FORWARD

YOUR PARTNER FOR STORED ENERGY SOLUTIONS.

Exide Technologies, with operations in more than 80 countries, is one of the world's largest producers and recyclers of lead-acid batteries. We provide a comprehensive and customized range of stored electrical energy solutions. Based on over 120 years of experience in the development of innovative technologies, Exide Technologies is an esteemed partner of OEMs and serves the spare parts market for industrial and automotive applications.

GNB Industrial Power – a division of Exide Technologies – offers an extensive range of storage products and services, including solutions for telecommunication systems, railway applications, mining, photovoltaic (solar energy), uninterrupted power supply (UPS), electrical power generation and distribution, fork lifts and electric vehicles.

Exide Technologies takes pride in its commitment to a better environment. An integrated approach to manufacturing, the distribution and recycling of lead-acid batteries has been developed to ensure a safe and responsible life cycle for all products.

GNB® Industrial Power
USA 877 462 4636
CANADA 800 268 2698



THE MARATHON FTX™ ADVANTAGE

- » Diamond side-wall design maintains integrity in higher operating temperatures.
- » Superior lead-tin-calcium-silver positive alloy helps resist corrosion.
- » Wide temperature range of -40°F (40°C) to 122°F (50°C)
- » Meets NEBS™ GR63 CORE, GR4228/SR4228 Telcordia, UL
- » MICROCAT® Catalyst reduces float current and minimizes water loss.
- » Ability to maintain capacity and reduced cell heating lead to increased life.

Marathon FTX™ Specifications

Model Number	Voltage	Capacity (Ah)		Nominal Dimensions						Nominal Weight	
		8hr to 1.75 VPC@25°C	10 hr to 1.80 VPC@20°C	Inches			Millimeters			lbs.	kg
				L	W	H	L	W	H		
M12V155FTX	12	155	150	22	4.9	11.15	559	124	283	119	53.8
M12V180FTX	12	180	175	22	4.9	12.5	559	124	318	133	60

The all new GNB® Marathon FTX™ valve-regulated lead acid batteries have been optimized for high temperature operation. Engineered for premium performance and maximum battery life, Marathon FTX batteries have a 15 year battery life design at 77°F (25°C). These batteries feature a high-compression design utilizing Absorbent Glass Mat (AGM) Technology for greater than 99% recombination efficiency and superior Lead-Tin-Calcium-Silver Positive Alloy to resist corrosion at higher temperatures. MICROCAT® Catalyst (one per cell) reduces float current and minimizes water loss, combating processes which can prematurely age VRLA batteries. A patented diamond side-wall design paired with durable flame retardant polypropylene container and cover help minimize water loss and maintain structural integrity in higher temperature operating conditions. For more information on Marathon FTX batteries, please visit GNB.com.

MicroCAT® is a registered trademark of Philadelphia Scientific LLC.

M12V155FTX PERFORMANCE SPECIFICATIONS

Amperes @ 25°C (77°F)

End Voltage Per Cell	Operating Time to End Voltage (Hour)													
	24 HR	20 HR	12 HR	10 HR	9 HR	8 HR	7 HR	6 HR	5 HR	4 HR	3 HR	2 HR	1 HR	0.5 HR
1.75	6.8	8.1	13.1	15.6	17.3	19.4	21.7	24.7	28.8	34.5	43.6	60.6	105.8	151.0
1.78	6.7	8.0	13.0	15.5	17.1	19.1	21.5	24.4	28.5	34.3	43.4	60.4	104.4	150.6
1.80	6.7	8.0	13.0	15.4	17.0	19.0	21.3	24.2	28.3	34.1	43.1	59.9	102.9	150.5
1.81	6.6	7.9	12.9	15.3	16.9	18.9	21.1	24.0	28.0	33.9	42.9	59.5	101.5	150.4
1.83	6.6	7.8	12.7	15.0	16.6	18.6	20.7	23.7	27.6	33.3	42.3	58.6	98.8	150.1
1.85	6.5	7.7	12.5	14.9	16.4	18.3	20.4	23.3	27.1	32.8	41.6	57.4	96.2	147.1
1.87	6.3	7.5	12.2	14.4	15.9	17.7	19.8	22.6	26.3	31.7	40.4	55.7	92.8	140.9
1.90	5.9	7.0	11.5	13.7	15.2	17.0	18.9	21.5	25.0	30.2	38.4	53.0	87.0	126.4
1.92	5.6	6.7	10.8	12.9	14.3	15.9	18.0	20.5	23.9	28.7	36.4	50.2	81.7	112.6
1.94	5.2	6.2	10.1	12.0	13.3	14.9	16.9	19.4	22.7	27.3	34.7	47.4	76.7	98.6

Watts Per Cell @ 25°C (77°F)

End Voltage Per Cell	Operating Time to End Voltage (Hour)													
	24 HR	20 HR	12 HR	10 HR	9 HR	8 HR	7 HR	6 HR	5 HR	4 HR	3 HR	2 HR	1 HR	0.5 HR
1.75	13.7	16.3	26.1	30.8	33.9	38.0	42.3	47.8	55.2	66.1	82.9	115.2	200.3	297.7
1.78	13.6	16.1	25.9	30.6	33.8	37.7	41.8	47.3	54.7	65.5	82.5	114.2	199.3	294.2
1.80	13.5	16.0	25.7	30.5	33.6	37.5	41.5	46.9	54.3	64.9	81.8	113.2	197.3	290.5
1.81	13.5	15.9	25.6	30.3	33.4	37.2	41.2	46.6	53.9	64.5	81.1	112.2	195.2	288.0
1.83	13.3	15.7	25.2	29.8	32.9	36.7	40.7	46.0	53.2	63.5	79.8	110.2	191.1	284.4
1.85	13.1	15.5	24.9	29.4	32.4	36.2	40.2	45.4	52.5	62.6	78.6	108.2	187.1	275.1
1.87	12.8	15.1	24.2	28.6	31.5	35.1	39.2	44.2	51.0	60.8	76.1	104.6	180.0	266.7
1.90	12.1	14.5	23.2	27.5	30.3	33.7	37.6	42.3	48.8	58.0	72.4	100.0	168.5	2509.9
1.92	11.5	13.7	22.1	26.1	28.7	31.9	35.7	40.4	46.6	55.6	69.8	96.1	158.3	236.9
1.94	10.8	12.9	20.9	24.7	27.1	30.2	34.1	38.5	44.5	53.0	66.5	91.6	149.0	223.3

RECYCLE WITH EXIDE

EXIDE TOTAL BATTERY MANAGEMENT (TBM)

Exide is one of the largest secondary recyclers in the world, and one of the few companies with the ability to provide Total Battery Management, helping to divert batteries from the waste stream by returning the recycled materials to new products. Our commitment to recycling and environmental responsibility is unwavering.

FROM A WORLD LEADER IN VRLA BATTERY TECHNOLOGY

Designed for durability in Telecommunications and Electric Utility applications, the GNB® Industrial Power Front Terminal MARATHON® series provides high performance and reliability in long duration discharge applications. The location of the terminals on the front (vs. the top) of the battery greatly facilitates the installation and maintenance of the product when placed in a cabinet enclosure or on a standard relay rack tray. The MARATHON® Front Terminal battery series highlights another example of GNB's extensive experience and worldwide leadership in VRLA technology.

M12V180FTX PERFORMANCE SPECIFICATIONS

Amperes @ 25°C (77°F)

End Voltage Per Cell	Operating Time to End Voltage (Hour)													
	24 HR	20 HR	12 HR	10 HR	9 HR	8 HR	7 HR	6 HR	5 HR	4 HR	3 HR	2 HR	1 HR	0.5 HR
1.75	7.9	9.4	15.4	18.2	20.1	22.5	25.5	28.4	33.0	39.5	49.9	69.4	121.7	194.5
1.78	7.8	9.3	15.2	18.1	20.0	22.3	25.0	28.0	32.6	39.2	49.5	68.7	120.3	191.9
1.80	7.8	9.3	15.1	17.9	19.8	22.1	24.8	27.8	32.3	38.8	49.1	68.0	119.1	188.5
1.81	7.8	9.2	15.0	17.8	19.6	21.9	24.7	27.6	32.1	38.6	48.8	67.6	118.2	186.4
1.83	7.7	9.1	14.8	17.6	19.4	21.6	24.2	27.1	31.7	38.2	48.0	66.5	115.9	181.5
1.85	7.5	9.0	14.5	17.2	19.0	21.2	23.7	26.6	31.0	37.4	47.1	65.0	112.7	175.2
1.87	7.4	8.8	14.1	16.7	18.5	20.6	23.1	25.9	30.2	36.4	45.8	63.0	108.7	166.5
1.90	7.0	8.3	13.4	15.8	17.4	19.5	21.9	24.5	28.6	34.3	43.8	60.1	101.7	150.5
1.92	6.7	7.9	12.7	15.0	16.6	18.5	20.9	23.4	27.2	32.6	41.2	56.2	95.6	144.5
1.94	6.3	7.5	11.9	14.1	15.5	17.3	19.6	22.0	25.6	30.7	38.4	51.9	87.0	133.9

Watts Per Cell @ 25°C (77°F)

End Voltage Per Cell	Operating Time to End Voltage (Hour)													
	24 HR	20 HR	12 HR	10 HR	9 HR	8 HR	7 HR	6 HR	5 HR	4 HR	3 HR	2 HR	1 HR	0.5 HR
1.75	15.7	18.3	28.4	33.2	36.3	40.1	45.0	51.3	60.0	72.6	92.9	131.5	225.8	355.8
1.78	15.6	18.3	28.2	33.0	36.1	39.9	44.7	51.0	59.6	72.1	92.1	130.2	222.2	349.0
1.80	15.6	18.2	28.1	32.8	35.9	39.7	44.4	50.7	59.1	71.5	91.3	128.9	219.6	342.7
1.81	15.6	18.2	28.0	32.7	35.8	39.5	44.2	50.4	58.9	71.1	90.8	128.0	218.0	339.2
1.83	15.5	18.0	27.8	32.4	35.4	39.1	43.8	49.8	58.1	70.1	89.4	125.9	214.2	330.7
1.85	15.2	17.9	27.4	31.9	34.9	38.5	43.1	49.0	57.1	68.8	87.6	123.0	209.4	320.7
1.87	15.0	17.6	26.9	31.3	34.1	37.7	42.1	47.9	55.7	67.1	85.2	119.4	203.8	309.0
1.90	14.6	17.0	25.8	30.0	32.7	36.0	40.1	45.5	52.9	63.5	80.4	112.1	192.9	288.4
1.92	14.1	16.4	24.8	28.7	31.3	34.4	38.4	43.5	50.4	60.4	76.3	105.9	184.2	269.2
1.94	13.4	15.7	23.7	27.4	29.8	32.7	36.4	41.1	47.6	56.9	71.6	98.9	174.5	254.6

Marathon FTX™ Electrical Data

Model Number	Short Circuit Current Amps	Internal Resistance (mOhms)
M12V155FTX	3883	3.0
M12V180FTX	4147	3.0