

Marathon FTX / M12V180FTX

INDUSTRIAL BATTERIES / NETWORK POWER

Designed for durability in Telecommunications and Electric Utility applications, the Marathon FTX series provides high performance and reliability in long duration discharge applications and is characterized by its excellent life time at high-temperature operation. Outstanding temperature robustness together with a very long design life of over 15 years helps achieving the lowest Total Cost of Ownership. The location of the terminals on the front of the battery greatly facilitates the installation and maintenance of the product.

Part Number: NAMX120180VM0F0

APPLICATIONS



SPECIFICATIONS

- Design life: 15 years (until 80% C₁₀ at 20°C and 1.80Vpc)
- EUROBAT 2015 Classification »> 12 years – Very Long Life«
- Extended life time at high-temperature operation: 5 years at 40°C
- High-Compression Absorbent Glass Mat (AGM) technology
- Flame retardant casing (UL 94 V-0)
- Grid plates with superior lead low calcium high tin alloy for excellent corrosion resistance
- Very low gassing due to internal gas recombination (99 % efficiency)
- MICROCAT® Catalyst reduces float current and minimizes water loss
- Low self discharge rate, enabling extended storage capability
- Designed in accordance with IEC 60896-21/-22
- Approval: Underwriters Laboratories (UL)
- Trouble-free transportation of operational blocks and cells. no restriction for most rail, road, sea and air transportation (IATA, DGR clause A67)
- Manufactured in Europe in our ISO 9001 certified production plants
- Central degassing



Design life
15 years



Block battery



Grid plate



Recyclable



Valve
regulated
lead-acid
batteries



Maintenance
free (no
topping up)

RECYCLE WITH EXIDE.



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



For more information please
[contact your local dealer](#)

TECHNICAL CHARACTERISTICS AND DATA

Nominal voltage	12 V
Float charge	2,29 V/C @ 20 °C
Capacity	CC 10h 1,8V/C 20°C 175Ah
Short circuit current	4147 A (IEC60896-21/22)
Internal resistance	3 mΩ (IEC60896-21/22)

Terminal	F-M6-90°
Terminal Torque	11 Nm
Container	UL 94-V0 (Polypropylene)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	124 x 559 x 318 mm
Weight	60 kg
Origin	Castanheira, Portugal

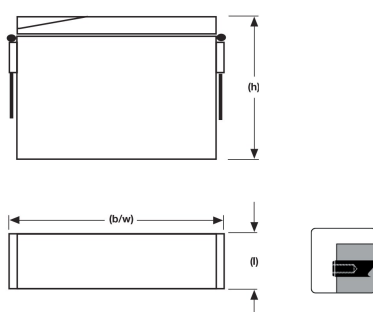
CONSTANT POWER DISCHARGE

W @ 20 °C	30 min	1 h	2 h	3 h	5 h	8 h	10 h	12 h	24 h
1,940 V/C	1482	1016	576	417	277	190	159	138	78
1,920 V/C	1567	1072	616	444	293	200	167	144	82,1
1,900 V/C	1679	1123	652	468	308	210	175	150	85
1,870 V/C	1798	1186	695	496	324	219	182	157	87,3
1,850 V/C	1866	1219	716	510	332	224	186	159	88,5
1,830 V/C	1925	1247	733	520	338	228	189	162	90,2
1,800 V/C	1995	1278	750	531	344	231	191	164	90,8
1,780 V/C	2031	1293	758	536	347	232	192	164	90,8
1,750 V/C	2071	1314	765	541	349	233	193	165	91,4

CONSTANT CURRENT DISCHARGE

A @ 20 °C	30 min	1 h	2 h	3 h	5 h	8 h	10 h	12 h	24 h
1,940 V/C	130	84,4	50,3	37,3	24,8	16,8	13,7	11,5	6,11
1,920 V/C	140	92,7	54,5	40	26,4	18	14,6	12,3	6,5
1,900 V/C	146	98,7	58,3	42,5	27,7	18,9	15,3	13	6,79
1,870 V/C	162	105	61,1	44,4	29,3	20	16,2	13,7	7,18
1,850 V/C	170	109	63,1	45,7	30,1	20,6	16,7	14,1	7,28
1,830 V/C	176	112	64,5	46,6	30,8	21	17,1	14,4	7,47
1,800 V/C	183	116	66	47,6	31,3	21,4	17,5	14,7	7,57
1,780 V/C	186	117	66,6	48	31,6	21,6	17,6	14,7	7,57
1,750 V/C	189	118	67,3	48,4	32	21,8	17,7	14,9	7,66

Technical drawing



Float Voltage vs Temperature

