Marathon M FT / M6V200FT V0

INDUSTRIAL BATTERIES / NETWORK POWER

Designed for durability in telecommunications and electric utility applications, the Marathon M-FT series provides high performance and reliability in medium and 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.

Part Number: NAMT060200VM0FB

APPLICATIONS

SPECIFICATIONS

- Maintenance-free (no topping up) during the whole service life
- High-Compression Absorbent Glass Mat (AGM) technology
- Design life: 15 years (until 80% C_{10} at 20°C and 1.80Vpc)
- EUROBAT 2015 Classification »>12 years – Very Long Life«
- Available as standard or flame retardant version (UL 94-V0)
- Grid plates with superior lead low calcium high tin alloy for excellent corrosion resistance
- Very low gassing due to internal gas recombination (99 % efficiency)
- Low self discharge rate, enabling extended storage capability
- Designed in accordance with IEC 60896-21/-22
- Approval: UL (Underwriters Laboratories)
- 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

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MARATHON®

TECHNICAL CHARACTERISTICS AND DATA

Nominal voltage	6 V
Float charge	2,29 V/C @ 20 °C
Capacity	CP 10min 1,6V/C 20°C 2250W/Bloc CC 10h 1,8V/C 20°C 200Ah
Short circuit current	3461 A (IEC60896-21/22)
Internal resistance	1,7 mΩ (IEC60896-21/22)

Terminal	F - M6
Terminal Torque	11 Nm
Container	UL 94-V0 (Polypropylene)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	132 x 361 x 250 mm
Weight	34 kg
Origin	Castanheira, Portugal

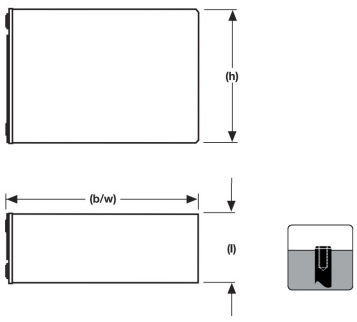
CONSTANT POWER DISCHARGE

W @ 20 °C	3m	5m	10m	15m	30m	1h	90m	2h	150m	3h	4h	5h	6h	7h	8h	9h	10h	12h	24h
1,940 V/C	1030	1030	1030	1030	805	551	417	341	286	247	196	164	142	125	113	101	91,9	77,9	41,3
1,920 V/C	1110	1110	1110	1110	857	585	443	364	304	262	208	174	150	132	119	107	96,9	82,1	43,8
1,900 V/C	1200	1200	1200	1200	921	621	470	386	322	278	220	183	158	139	125	113	102	86,6	46,1
1,870 V/C	1320	1320	1320	1320	1007	664	502	412	343	295	232	193	166	146	131	119	108	91,3	48,4
1,850 V/C	1920	1820	1600	1420	1068	692	522	428	355	305	240	199	171	151	135	122	111	94,1	49,9
1,830 V/C	2070	1950	1700	1500	1100	713	536	437	363	311	245	203	174	153	138	124	113	95,4	50,7
1,800 V/C	2327	2160	1840	1605	1165	749	559	454	376	323	253	210	180	158	143	128	116	98,3	51,9
1,780 V/C	2460	2270	1910	1660	1193	760	565	458	379	325	255	212	181	159	144	129	117	98,9	52,2
1,750 V/C	2590	2385	1975	1700	1218	773	573	463	383	328	258	213	183	161	145	130	118	99,9	52,7
1,730 V/C	2770	2520	2040	1735	1242	782	577	465	385	329	259	214	184	161	145	131	118	100	52,8
1,700 V/C	2960	2650	2100	1770	1255	791	582	467	387	331	260	215	184	162	146	131	119	100	53
1,670 V/C	3100	2750	2150	1800	1270	800	586	470	388	332	260	215	185	162	146	131	119	101	53,1
1,650 V/C	3200	2850	2200	1835	1285	806	589	472	389	333	261	216	186	163	146	132	120	101	53,2
1,600 V/C	3360	2950	2250	1850	1295	806	589	472	389	333	261	216	186	163	146	132	120	101	53,2

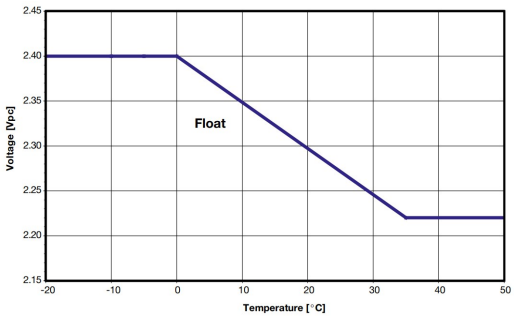
CONSTANT CURRENT DISCHARGE

A @ 20 °C	3m	5m	10m	15m	30m	1h	90m	2h	150m	3h	4h	5h	6h	7h	8h	9h	10h	12h	24h
1,940 V/C	131	131	131	131	115	90,7	67,7	55	46,4	40,4	32,4	27,4	23,8	21,2	18,8	16,9	15,4	13,1	7,1
1,920 V/C	159	159	159	159	133	97,8	72,8	59	49,7	43,1	34,5	29	25,2	22,3	20	18	16,4	13,9	7,5
1,900 V/C	187	187	187	187	150	105	78	63,1	53	45,8	36,6	30,7	26,6	23,8	21,1	19	17,3	14,7	7,9
1,870 V/C	231	231	231	231	175	116	84	67	56,2	48,6	38,7	32,5	28,1	24,9	22,4	20,2	18,3	15,5	8,3
1,850 V/C	345	325	283	250	186	122	88,3	70,1	58,6	50,6	40,2	33,6	29	25,6	23	20,8	18,9	16	8,5
1,830 V/C	385	360	309	270	197	126	90,9	71,9	60,1	51,8	41	34,2	29,5	26	23,4	21,2	19,3	16,3	8,7
1,800 V/C	425	395	335	290	208	133	95,2	75,1	62,5	53,8	42,5	35,4	30,5	26,8	24,1	21,9	20	16,8	8,9
1,780 V/C	475	435	362	309	216	134	96,5	76,3	63,5	54,6	43	35,8	30,8	27,1	24,3	22,1	20	16,9	9
1,750 V/C	515	470	383	323	220	135	97,2	76,9	64,1	55,2	43,6	36,3	31,2	27,4	24,6	22,3	20,2	17,1	9
1,730 V/C	540	490	397	333	223	136	97,9	77,4	64,5	55,5	43,9	36,5	31,4	27,6	24,7	22,4	20,3	17,2	9,1
1,700 V/C	565	510	407	340	226	137	98,5	77,8	64,8	55,8	44,1	36,7	31,6	27,8	24,9	22,5	20,4	17,2	9,1
1,670 V/C	600	535	422	348	228	138	99,1	78,3	65,2	56,1	44,3	36,9	31,7	28	25,1	22,6	20,5	17,3	9,1
1,650 V/C	640	560	435	357	231	139	99,8	78,7	65,5	56,3	44,4	37	31,8	28	25,1	22,7	20,6	17,4	9,1
1,600 V/C	680	590	450	365	233	139	99,8	78,7	65,5	56,3	44,4	37	31,8	28	25,1	22,7	20,6	17,4	9,1

Technical drawing



Float Voltage vs Temperature



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