

Industrial Batteries / Network Power

Marathon M FT

»AGM modular power«



Specifications:

- > Maintenance-free (no topping up) during the whole service life
- > High-Compression Absorbent Glass Mat (AGM) technology
- > Nominal capacity 35.0 – 200 Ah
- > Design life: »> 12 years– Very Long Life« according to EUROBAT 2015 Classification
- > Central degassing
- > Available as standard or flame retardant version (UL 94-V0)
- > Grid plates with superior lead calcium 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: Underwriter 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



Design life  
 > 12 years –  
 Very Long  
 Life



Nominal  
 capacity  
 35.0 – 200 Ah



Block battery



Grid plate



Recyclable



Valve regulated  
 lead-acid  
 batteries



Maintenance  
 free (no  
 topping up)

# Marathon M FT

The safe storage system with long design life

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.

## Your benefits:

- > **Front terminal design** – easy access for faster installation and maintenance
- > **Durable polypropylene casing (available as flame retardant)** – maintains structural integrity in higher operating temperatures
- > **Short recharging time** – high availability
- > **Optimal energy density** – saves floor space
- > **Completely recyclable** – low CO<sub>2</sub> footprint

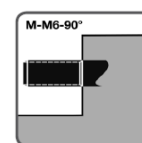


## Technical characteristics and data

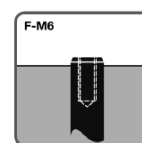
Type	Part number	Nom. voltage V	Nominal capacity C <sub>10</sub> 1.80 Vpc 20°C Ah	Capacity C <sub>8</sub> 1.75 Vpc 25°C Ah	Capacity C <sub>3</sub> 1.70 Vpc 20°C Ah	Capacity C <sub>1</sub> 1.60 Vpc 20°C Ah	Length (l) max. mm	Width (b/w) max. mm	Height (h1) max. mm	Weight approx. kg	Internal resistance mOhm**	Short circuit current A**	Terminal
M6V200FT	NAMT060200HM0FA	6	200	200	167	140	361*	132	250	34.0	1.7	3461	F-M6
M12V35FT	NAMF120035HM0MA	12	35.0	35.0	30.8	27.0	280	107	189	14.0	11.0	1149	M-M6-90°
M12V50FT	NAMF120050HM0MA	12	47.0	48.0	41.1	34.9	280	107	231	18.0	8.2	1547	M-M6-90°
M12V60FT	NAMF120060HM0MA	12	59.0	59.0	50.2	40.8	280	107	263	23.0	7.0	1794	M-M6-90°
M12V90FT	NAMF120090HM0FA / NAMF120090VM0FU	12	86.0	86.0	75.2	65.3	395	105	270	31.0	5.1	2440	F-M6-90°
M12V100FT	NAMF120100HM0FA	12	100	103	89.4	75.0	395	105	287	33.0	5.0	2445	F-M6-90°
M12V105FT	NAMF120105HM0FA / NAMF120105VM0FU	12	100	104	86.6	71.3	511	110	238	35.8	4.9	2554	F-M6-90°
M12V125FT	NAMF120125HM0FA	12	121	125	112	89.4	559	124	283	47.6	4.7	2640	F-M6-90°
M12V155FT	NAMF120155HM0FA	12	155	158	133	105	559	124	283	52.8	3.8	3292	F-M6-90°
M12V190FT	NAMF120190HM0FA	12	190	193	168	140	559	125	318	62.0	3.4	3653	F-M6-90°

\*Installed length of type M6V200FT: 376 mm

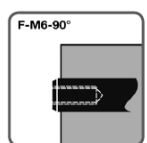
\*\*According to IEC 60896-21/22



6 Nm



11 Nm



11 Nm