

www.midacbatteries.com



MFT

Valve Regulated Lead-Acid STANDBY POWER BATTERIES

CATALOGUE



ADVANTAGES

- ✓ EUROBAT 12+ years Design Life
- ✓ 99%+ gas recombination efficiency
- ✓ High-rate performance
- ✓ Low self-discharge rate
- ✓ Maximum charging efficiency
- ✓ 400+ cycles 80% DoD
- ✓ Easy installation and handling
- ✓ Centralized venting system

MAIN APPLICATIONS

- ✓ Telecommunications
- ✓ Emergency power
- ✓ UPS units
- ✓ Power plants
- ✓ Substations
- ✓ Railways

STANDARD REF.

- ✓ EUROBAT GUIDE
- ✓ EN 60896-21
- ✓ EN 60896-22
- ✓ BS6290-4 1999
- ✓ EN 50272-2

SPECIFICATION

- | | |
|-------------------------|--|
| ✓ Positive plates | Thick flat pasted plate with lead-tin-calcium grid alloy |
| ✓ Negative plates | Flat pasted plate with lead-calcium grid alloy |
| ✓ Separators | Microporous AGM separator |
| ✓ Container | High-strength ABS (option: available in Flame Retardant UL94 V0 version) |
| ✓ Lid | High-strength ABS (option: available in Flame Retardant UL94 V0 version) |
| ✓ Electrolyte | Absorbed sulfuric acid |
| ✓ Terminal Posts | High-conductivity terminals with threaded inserts |
| ✓ Posts sealing | Double sealing on HQ post finishing |
| ✓ Vents | High-efficiency low pressure venting system |
| ✓ Plates suspension | Bottom supported |
| ✓ Inter-cell connectors | Insulated rigid copper |
| ✓ Terminal hardware | Stainless steel+Cover |
| ✓ Terminal adaptor | FT M8 |

Type	Nominal Voltage	Actual Capacity	Ri	Isc	Dimensions (mm)			Weight Kg	Terminals
	V	Ah/10hrs	mOhm	kA	Length	Width	Overall Height		
MFT 12-100 A	12	100,0	4,31	1,20	558	125	230	37,5	(2x) D18 M8 + FT
MFT 12-150 A	12	150,0	3,99	1,30	558	125	311	54,0	(2x) D18 M8 + FT
MFT 12-175 A	12	175,0	3,30	2,00	558	125	311	55,0	(2x) D18 M8 + FT
MFT 12-100 B	12	100,0	3,99	1,10	508	110	238	33,2	(2x) D18 M8 + FT
MFT 12-150 B	12	150,0	3,89	1,15	551	110	320	51,0	(2x) D18 M8 + FT

DISCHARGE CURRENT (A) to 1.80 Vpc at 20°C

Type	Minutes					Hours								
	5	10	15	20	30	1	2	3	5	6	8	10	12	24
MFT 12-100 A	203,0	172,0	135,0	128,0	96,0	64,5	36,8	27,0	18,5	15,5	12,0	10,0	8,75	4,60
MFT 12-150 A	305,0	226,0	212,0	176,0	133,0	98,8	59,5	39,8	29,0	24,3	18,0	15,0	13,30	7,00
MFT 12-175 A	355,0	279,0	256,0	224,0	174,0	115,3	65,6	46,4	31,5	27,1	21,0	17,5	15,10	7,78
MFT 12-100 B	216,0	200,0	160,0	139,3	98,0	68,6	40,0	28,8	18,6	15,5	11,9	10,0	8,67	4,67
MFT 12-150 B	324,0	285,5	209,3	194,4	136,7	93,6	54,6	39,2	25,5	21,2	17,5	15,0	12,80	6,87

DISCHARGE CURRENT (A) to 1.65 Vpc at 20°C

Type	Minutes					Hours								
	5	10	15	20	30	1	2	3	5	6	8	10	12	24
MFT 12-100 A	292,0	223,0	172,0	158,0	110,0	70,0	39,0	28,8	19,8	16,8	12,3	10,5	9,06	4,75
MFT 12-150 A	420,0	285,0	253,0	210,0	152,0	110,5	61,7	41,8	29,7	24,9	18,4	15,3	13,50	7,13
MFT 12-175 A	469,0	363,0	312,0	261,3	192,0	122,5	69,0	48,7	32,6	28,1	21,8	18,2	15,50	8,14
MFT 12-100 B	296,0	230,0	184,0	159,2	109,6	72,6	41,4	29,3	19,0	15,8	12,1	10,1	8,77	4,79
MFT 12-150 B	447,0	324,3	256,7	222,1	152,9	99,0	56,4	39,7	25,9	21,6	17,9	15,1	12,90	7,05

DISCHARGE POWER (Wpc) to 1.60 Vpc at 20°C

Type	Minutes					Hours								
	5	10	15	20	30	1	2	3	5	6	8	10	12	24
MFT 12-100 A	523,0	452,0	350,0	292,0	219,0	133,0	74,2	56,0	38,5	32,6	25,2	20,5	17,60	8,99
MFT 12-150 A	769,0	540,0	469,0	380,0	300,0	200,0	114,0	85,1	56,0	48,5	36,0	30,5	25,60	13,00
MFT 12-175 A	824,0	663,0	573,0	481,3	376,0	217,0	132,0	95,2	63,0	54,0	42,0	35,6	30,60	16,10
MFT 12-100 B	516,0	422,5	336,3	294,6	211,3	137,8	77,1	57,2	39,5	33,7	25,8	20,7	17,50	9,00
MFT 12-150 B	778,0	557,0	464,0	406,5	291,5	198,8	111,2	79,2	54,1	46,2	36,0	30,8	26,30	13,50

All the above data are actual values after the 5th cycle with a general tolerance of ±2%