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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 | Plated copper bar + cover |
| √ Terminal hardware | Stainless steel+Cover |
| √ Terminal adaptor | FT |

Type	Nominal Voltage	Actual Capacity	Ri	Isc	Dimensions (mm)			Weight	Terminals
	V	Ah/10hrs	mOhm	kA	Length	Width	Overall Height	Kg	
MFT 12-100A	12	100	6,169	2,040	558	125	230	37,5	(2x) D18 M8 + FT M8
MFT 12-150A	12	150	5,508	2,284	558	125	311	54,0	(2x) D18 M8 + FT M8
MFT 12-175A	12	175	4,714	2,716	558	125	311	55,0	(2x) D18 M8 + FT M8
MFT 12-50B	12	50	8,930	1,400	277	105	260	17,8	(2x) D13 M6 + FT M6
MFT 12-80B	12	80	4,730	2,600	395	105	270	28,5	(2x) D18 M8 + FT M6
MFT 12-100B	12	100	5,211	2,469	508	110	238	33,2	(2x) D18 M8 + FT M8
MFT 12-155B	12	150	4,782	2,630	551	110	320	51,0	(2x) D18 M8 + FT M8

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

Type	Minutes						Hours													
	1	5	10	15	20	30	1	2	3	5	6	8	10	12	20	24	48	100	120	240
MFT 12-100A	236,0	228,0	176,0	135,0	128,0	100,0	59,1	38,6	26,5	18,0	15,5	12,0	10,0	8,75	5,50	4,65	2,34	1,13	0,95	0,48
MFT 12-150A	337,0	304,0	239,0	220,0	176,0	149,0	89,4	57,9	39,8	27,0	23,3	18,0	15,0	13,30	8,30	7,00	3,53	1,71	1,44	0,74
MFT 12-175A	387,0	346,0	275,0	245,0	224,0	171,0	102,0	67,5	46,4	31,5	27,1	21,0	17,5	15,10	9,60	8,10	4,12	1,99	1,67	0,87
MFT 12-50B	115,5	108,0	100,0	80,0	69,7	49,0	31,2	18,2	13,6	8,5	7,4	6,0	5,0	4,20	2,53	2,16	1,10	0,53	0,48	0,25
MFT 12-80B	188,0	173,0	162,0	120,0	111,5	78,4	49,9	29,1	21,8	14,4	12,1	9,5	8,0	6,80	4,10	3,66	1,88	0,91	0,77	0,39
MFT 12-100B	232,0	216,0	200,0	160,0	139,3	98,0	62,2	40,0	27,4	18,6	15,5	11,9	10,0	8,67	5,40	4,67	2,42	1,18	0,99	0,50
MFT 12-155B	365,0	335,0	295,0	216,2	200,8	141,3	96,7	56,4	40,5	25,0	21,9	18,0	15,5	13,00	7,92	7,00	3,54	1,72	1,49	0,76

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

Type	Minutes						Hours													
	1	5	10	15	20	30	1	2	3	5	6	8	10	12	20	24	48	100	120	240
MFT 12-100A	570,3	528,8	432,9	340,5	285,8	216,7	132,6	75,4	55,1	38,0	32,3	25,1	20,9	17,60	11,87	9,15	6,25	3,25	2,68	1,25
MFT 12-150A	838,0	648,0	540,0	469,0	380,0	300,0	200,0	114,0	85,1	59,0	48,5	36,0	30,5	25,60	16,70	13,00	8,85	4,35	3,67	1,75
MFT 12-175A	867,0	824,0	647,3	573,0	471,1	365,3	217,0	132,0	95,2	63,0	54,0	42,0	35,6	30,60	19,80	16,10	10,85	5,26	4,35	2,07
MFT 12-50B	280,3	259,0	209,6	168,1	141,9	103,9	65,8	37,1	27,5	19,4	16,2	12,6	10,3	8,70	5,76	4,50	2,36	1,52	1,21	0,59
MFT 12-80B	445,0	396,9	327,9	265,8	214,0	164,2	106,0	60,4	44,0	30,7	26,2	20,2	16,4	13,60	9,23	7,20	3,84	2,19	1,72	0,93
MFT 12-100B	562,0	516,0	422,5	336,3	288,3	211,3	137,8	77,1	57,2	39,5	33,7	25,8	20,7	17,50	10,86	9,00	5,95	2,95	2,48	1,27
MFT 12-155B	808,2	750,8	570,2	479,5	407,0	301,2	204,5	113,1	82,7	58,3	49,3	37,6	31,8	27,10	17,20	14,00	9,02	4,56	3,72	1,79

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



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QUALITY AND FLEXIBILITY

MIDAC is very committed in providing the market with a wide range of products, ensuring premium quality and maximum flexibility to satisfy any requirement, also engineering customized solutions.

MIDAC'S management system is certified according to:

ISO 9001:2008, ISO/TS 16949:2009, ISO 14001:2004, BS OHSAS 18001:2007, SA 8000:2008



MIDAC SPA SPA HEADQUARTER, SOAVE, VERONA, ITALY

Unica realtà a produrre batterie avviamento, trazione e stazionarie in un singolo stabilimento produttivo, in 25 anni è diventata una delle aziende leader in Europa con prodotti distribuiti in tutto il mondo.

The only company that produces Automotive, Motive power and Stationary batteries in the same manufacturing plant, in less than 25 years it has become one of the leading companies in Europe and its products are sold worldwide.

MIDAC PRODUZIONE VERDE

Midac utilizza l'energia pulita prodotta dal proprio impianto fotovoltaico per la produzione di batterie e accumulatori, evitando l'emissione di 945 tonnellate di CO₂ ogni anno.

MIDAC GREEN PRODUCTION

Midac uses clean energy produced by your photovoltaic system for the production of batteries and accumulators, avoiding the emission of 945 tons of CO₂ each year.

