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MSP

Vented Lead-Acid STANDBY POWER BATTERIES

CATALOGUE



ADVANTAGES

- ✓ Long life under cycling use
- ✓ Up to 1500 deep discharge cycles
- ✓ Extended topping-up intervals
- ✓ Maximum charging efficiency
- ✓ Minimal positive growth
- ✓ Improved safety against accidental contacts

MAIN APPLICATIONS

- ✓ Renewable energy
- ✓ Energy storage
- ✓ Emergency power
- ✓ Railways
- ✓ Telecommunications

STANDARD REF.

- ✓ EN 60896-11
- ✓ EN 61427
- ✓ EN 60254-1
- ✓ EN 60254-2
- ✓ EN 50272-2
- ✓ EN 50272-3

SPECIFICATION

- | | |
|-------------------------|---|
| ✓ Positive plates | Tubular plate with lead selenium grid alloy (Sb < 2%) and woven gauntlet |
| ✓ Negative plates | Flat pasted plate with lead selenium grid alloy (Sb < 2%) |
| ✓ Separators | Polyethylene separator sleeve on positive plate |
| ✓ Container | White translucent Polypropylene |
| ✓ Lid | Opaque dark-gray Polypropylene |
| ✓ Electrolyte | Dilute solution of sulphuric acid SG 1.260 ± 0.01 at 25°C |
| ✓ Electrolyte reserve | Maximum availability over the plates |
| ✓ Terminal Posts | d24 with M10 threaded insert |
| ✓ Posts sealing | Sealing bush on HQ post finishing |
| ✓ Vents | Flame arrestor ceramic vents fully tested in compliance with UL standard (option: Flip-top version) |
| ✓ Plates suspension | Bottom supported with sediment space |
| ✓ Inter-cell connectors | Fully insulated copper |
| ✓ Terminal hardware | Fully insulated steel |

Type	Nominal Voltage V	Actual Capacity		Ri mOhm	Isc kA	Dimensions (mm)			Weight		Electrolyte		No. of Terminals
		Ah/10Hrs	Ah/120Hrs			Length	Width	Overall Height	Wet Kg	Dry Kg	Weight Kg	Volume Litres	
2 MSP 55	2	119	151	1,35	1,43	82,5	197,5	405	12,8	7,6	5,2	4,2	2
3 MSP 55	2	178	227	0,92	2,14	82,5	197,5	405	14,1	10,0	4,1	3,3	2
4 MSP 55	2	238	302	0,71	2,85	82,5	197,5	405	15,7	12,2	3,5	2,8	2
5 MSP 55	2	297	378	0,58	3,56	100,5	197,5	405	19,2	14,9	4,3	3,4	2
4 MSP 70	2	300	464	0,75	2,70	82,5	197,5	475	19,7	15,2	4,5	3,6	2
5 MSP 70	2	375	580	0,63	3,37	100,5	197,5	475	24,0	18,7	5,3	4,3	2
6 MSP 70	2	450	695	0,55	4,05	118,5	197,5	475	28,6	22,0	6,6	5,3	2
7 MSP 70	2	525	811	0,49	4,72	136,5	197,5	475	33,0	26,3	6,7	5,4	2

DISCHARGE CURRENT (A) to 1.80 Vpc SG1.260 at 25°C

Type	Hours													
	5	10	15	30	1	2	3	5	8	10	20	24	100	120
2 MSP 55	110,5	101,8	93,8	75,7	55,8	38,0	29,1	20,4	14,2	11,9	6,51	5,53	1,49	1,26
3 MSP 55	165,7	152,8	140,6	113,6	83,7	57,0	43,7	30,6	21,3	17,8	9,77	8,30	2,24	1,89
4 MSP 55	220,9	203,7	187,5	151,5	111,6	76,0	58,3	40,8	28,4	23,8	13,03	11,07	2,99	2,52
5 MSP 55	276,2	254,6	234,4	189,4	139,5	95,0	72,9	51,0	35,5	29,7	16,29	13,84	3,74	3,15
4 MSP 70	218,1	202,7	187,9	156,9	122,3	87,6	69,0	49,8	35,5	30,0	17,06	14,67	4,56	3,86
5 MSP 70	272,7	253,4	234,9	196,2	152,9	109,5	86,2	62,2	44,3	37,5	21,33	18,34	5,70	4,83
6 MSP 70	327,2	304,0	281,9	235,4	183,4	131,3	103,5	74,7	53,2	45,0	25,59	22,00	6,83	5,80
7 MSP 70	381,7	354,7	328,9	274,6	214,0	153,2	120,7	87,1	62,0	52,5	29,86	25,67	7,97	6,76

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



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MIDAC SPA HEADQUARTER, SOAVE, VERONA, ITALY

Unica realtà a produrre batterie avviamento, trazione e stazionarie in un singolo stabilimento produttivo, in vent'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 twenty years it has become one of the leading companies in Europe and its products are sold worldwide.

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

