



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 |

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Type	Nominal Voltage	Actual Capacity		Ri	Isc	Dimensions (mm)			Weight		Electrolyte		No. of Terminals
	V	Ah/10hrs	Ah/120hrs	mOhm	kA	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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