



ELECTRIC POWER srl

energia de care ai nevoie

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OPzV

Valve Regulated Lead-Acid STANDBY POWER BATTERIES

CATALOGUE



ADVANTAGES

- ✓ 18 years Design Life
- ✓ Up to 1500 deep discharge cycles
- ✓ 99%+ gas recombination efficiency
- ✓ Maximum charging efficiency
- ✓ Improved safety against accidental contacts
- ✓ Easy installation: vertical or horizontal

MAIN APPLICATIONS

- ✓ Power plants
- ✓ Substations
- ✓ Energy storage
- ✓ Wind and Solar power generation
- ✓ Telecommunications
- ✓ Emergency power
- ✓ Railways

STANDARD REF.

- ✓ EUROBAT GUIDE
- ✓ EN 60896-21
- ✓ EN 60896-22
- ✓ DIN43539-T5
- ✓ EN 61427
- ✓ EN 50272-2

SPECIFICATION

- ✓ Positive plates Tubular plate with lead-tin-calcium grid alloy
- ✓ Negative plates Flat pasted plate with lead-calcium grid alloy (radial design)
- ✓ Separators Microporous PVC-SiO₂ separators
- ✓ Cell container High-strength opaque ABS (option: available in Flame Retardant UL94 V0 version)
- ✓ Cell lid High-strength opaque ABS (option: available in Flame Retardant UL94 V0 version)
- ✓ Electrolyte GEL: SiO₂ gelled sulfuric acid
- ✓ Terminal posts Robust design with M10 threaded insert
- ✓ Posts sealing Double sealing on HQ post finishing
- ✓ Valve One way valve with integrated flame arrestor
- ✓ Plate suspension Bottom supported
- ✓ Inter-cell connectors Fully insulated copper
- ✓ Terminal hardware Fully insulated steel
- ✓ Terminal adaptor Solid plated copper plates

Type	Nominal Voltage V	Actual Capacity		Ri mOhm	Isc kA	Dimensions (mm)			Weight Kg	No. of Terminals
		Ah/10Hrs	Ah/120Hrs			Length	Width	Overall Height		
OPzV 150	2	150	197	1,434	1,498	103	206	385	15,0	2
OPzV 200	2	200	262	1,076	1,997	103	206	385	18,0	2
OPzV 250	2	250	328	0,860	2,497	124	206	385	22,0	2
OPzV 300	2	300	392	0,717	2,996	145	206	385	25,5	2
OPzV 350	2	350	458	0,739	3,050	124	206	504	28,0	2
OPzV 420	2	420	550	0,616	3,659	145	206	504	33,5	2
OPzV 490	2	490	641	0,528	4,269	166	206	504	37,5	2
OPzV 600	2	600	785	0,463	4,604	145	206	679	46,5	2
OPzV 800	2	800	1046	0,348	6,139	210	191	679	62,0	4
OPzV 1000	2	1000	1308	0,278	7,674	210	233	679	77,5	4
OPzV 1200	2	1200	1572	0,232	9,209	210	275	679	91,5	4
OPzV 1500	2	1500	1920	0,185	11,511	210	340	677	112,5	4
OPzV 2000	2	2000	2628	0,167	12,657	212	399	804	153,0	6
OPzV 2500	2	2500	3240	0,134	15,821	212	487	804	194,0	8
OPzV 3000	2	3000	3936	0,111	18,986	212	576	804	230,0	8

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	20	24	48	72	100	120	240
OPzV 150	328,0	191,0	173,0	152,0	128,0	116,0	75,0	47,7	37,5	25,5	21,2	17,6	15,0	8,10	7,40	3,90	2,74	1,94	1,64	0,84
OPzV 200	435,0	255,0	230,0	203,0	170,0	154,0	100,0	63,6	50,0	34,0	28,2	23,5	20,0	10,80	9,87	5,20	3,65	2,58	2,18	1,12
OPzV 250	524,0	319,0	288,0	254,0	213,0	180,0	125,0	79,5	62,5	42,5	35,3	29,4	25,0	13,50	12,30	6,50	4,53	3,23	2,73	1,40
OPzV 300	656,0	383,0	345,0	305,0	255,0	231,0	150,0	95,4	75,0	51,0	42,3	35,3	30,0	16,20	14,80	7,80	5,20	3,87	3,27	1,68
OPzV 350	687,0	446,0	403,0	355,0	298,0	270,0	175,0	111,0	87,5	59,5	49,4	41,1	35,0	18,90	17,30	9,10	6,50	4,52	3,82	1,96
OPzV 420	772,0	536,0	483,0	426,0	357,0	323,0	210,0	134,0	105,0	71,4	59,2	49,4	42,0	22,70	20,70	10,90	7,10	5,42	4,58	2,35
OPzV 490	1035,0	625,0	564,0	497,0	417,0	377,0	245,0	156,0	123,0	83,3	69,1	57,6	49,0	26,50	24,20	12,70	8,70	6,32	5,34	2,74
OPzV 600	1239,0	765,0	690,0	609,0	510,0	462,0	300,0	191,0	150,0	102,0	84,6	70,5	60,0	32,40	29,60	15,60	10,80	7,74	6,54	3,36
OPzV 800	1652,0	1020,0	920,0	812,0	680,0	616,0	400,0	254,0	200,0	136,0	113,0	94,0	80,0	43,20	39,50	20,80	14,80	10,30	8,72	4,48
OPzV 1000	1920,0	1275,0	1150,0	1015,0	850,0	770,0	500,0	318,0	250,0	170,0	141,0	118,0	100,0	54,00	49,40	26,00	18,50	12,90	10,90	5,60
OPzV 1200	2253,0	1530,0	1380,0	1218,0	1020,0	924,0	600,0	382,0	300,0	204,0	169,0	141,0	120,0	64,80	59,20	31,20	23,60	15,50	13,10	6,72
OPzV 1500	2585,0	1625,0	1466,0	1294,0	1084,0	982,0	750,0	478,0	375,0	255,0	212,0	176,0	150,0	81,00	74,00	39,00	28,50	19,00	16,00	8,00
OPzV 2000	3289,0	2167,0	1955,0	1725,0	1445,0	1309,0	1000,0	637,0	500,0	340,0	282,0	235,0	200,0	108,00	99,00	52,00	39,20	25,90	21,90	11,20
OPzV 2500	4065,0	2709,0	2444,0	2156,0	1806,0	1636,0	1250,0	796,0	625,0	425,0	353,0	294,0	250,0	135,00	124,00	65,00	47,30	32,00	27,00	14,00
OPzV 3000	4805,0	3251,0	2933,0	2588,0	2168,0	1964,0	1500,0	955,0	750,0	510,0	423,0	353,0	300,0	162,00	148,00	78,00	57,80	38,80	32,80	16,80

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