OPzS : LEAD-ACID STATIONARY BATTERIES WITH MODIFIED TUBULAR ELECTRODES

OPzS batteries are applied as uninterrupted power supply at electric power stations, telegraph stations, etc..

Batteries provided of 'Calcium plus' technology (negative electrodes made of patented lead-calcium-tin alloy), unique multifraction filling of positive tubular electrodes PLUDERTEC that improved sealing of pole terminal.

Advantages of 'Calcium Plus' technology (calcium alloying of negative electrode) :

- 2.5 times less electrolyte evaporation
- Higher corrosion resistance of electrodes
- Overcharge resistance
- Low battery self-discharge

Container and lid: made of impact plastic that enable easy service and mechanical stability during all service

Life. Both cell sides have marking of minimal and maximum electrolyte levels.

Electrolyte: water solution of sulfuric acid with density of 1.245 +/- 0.005 g/cm3

Pole terminal: sealed pole terminal with solid brass bush for bolt M10

Connectors: made of solid copper with section of 60-120 mm2

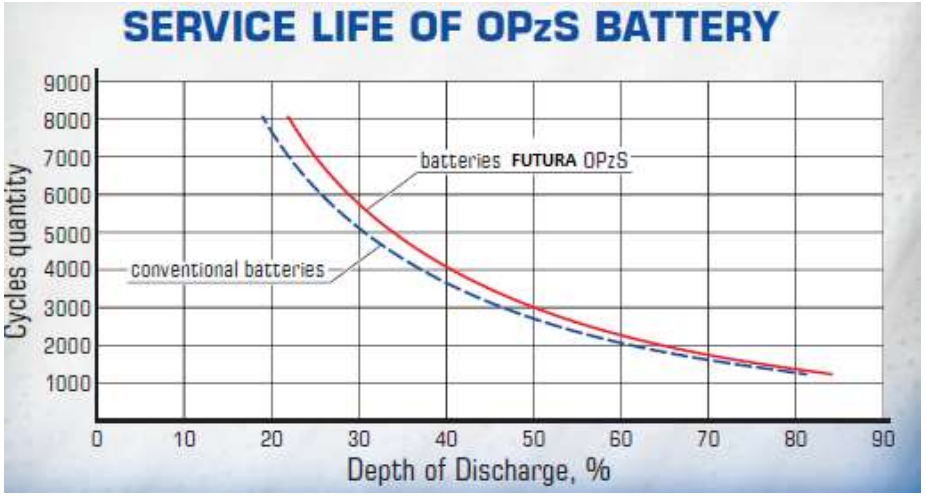
Temperature range: from +5 to +45°C (is preferable +20°C)

Installation: all standard installations in vertical position and on isolated racks are acceptable

*** OPzS cells and batteries are used in many modern power systems in Europe**

DISCHARGE CHARACTERISTICS OF OPzS BATTERIES:

TYPE	DISCHARGE MODE											
	FINAL VOLTAGE 1.80 V						FINAL VOLTAGE 1.75 V		FINAL VOLTAGE 1.70 V			
	10-HOUR		5-HOUR		3-HOUR		1-HOUR		0.5-HOUR		0.25-HOUR	
	Corrent (A)	Capacity (Ah)	Corrent (A)	Capacity (Ah)	Corrent (A)	Capacity (Ah)	Corrent (A)	Capacity (Ah)	Corrent (A)	Capacity (Ah)	Corrent (A)	Capacity (Ah)
3 OPzS 150	15	150	24,8	124	37,5	112,5	75	75	105	52,5	132	33
4 OPzS 200	20	200	33	165	50	150	100	100	140	70	176	44
5 OPzS 250	25	250	41,3	206,5	62,5	187,5	125	125	175	87,5	220	55
6 OPzS 300	30	300	50	250	75	225	150	150	210	105	264	66
6 OPzS 420	42	420	69,3	346,5	105	315	210	210	294	147	370	92,5
7 OPzS 490	49	490	80,9	404,5	123	369	245	245	343	171,5	432	108
5 OPzS 500	50	500	82,5	412,5	125	375	250	250	350	175	440	110
6 OPzS 600	60	600	99	495	150	450	300	300	420	210	528	132
7 OPzS 700	70	700	116	580	175	425	350	350	490	245	616	154
8 OPzS 800	80	800	132	660	200	600	400	400	560	280	704	176
10 OPzS 1000	100	1000	165	825	250	750	500	500	700	350	880	220



OPzS lead-acid stationary batteries types				
Model	**Nominal Voltage (V)**	**Nominal Capacity (C10) Ah**	**Dimensions**	**Weight (kg)**
4OPzS 200	2	200	105X206X420	19,00
5OPzS 250	2	250	125X206X420	22,00
6OPzS 300	2	300	145X206X420	26,50
5OPzS 350	2	350	125X206X505	29,00
6OPzS 420	2	420	145X206X535	33,50
7OPzS 490	2	490	165X206X535	39,00
6OPzS 600	2	600	145X206X710	45,00
8OPzS 800	2	800	193X215X710	62,00
10OPzS 1000	2	1000	235X215X710	75,00
12OPzS 1200	2	1200	277X215X710	91,00
12OPzS 1500	2	1500	277X215X840	119,00
16OPzS 2000	2	2000	400X215X840	156,00
20OPzS 2500	2	2500	495X215X840	200,00
24OPzS 3000	2	3000	585X215X840	240,00