

**WING BATTERIES OPzS** are designed for stationary applications and characterized by low maintenance requirements, long service life and excellent capacity performance while operating in high temperature or unstable power network, thus providing a premium efficient and cost effective energy solution. Wing accumulators are successfully used for the following applications. Some examples: solar energy, wind energy, electric power, nuclear power, telecommunication, maritime purposes, emergency lighting, universal computing.



## INNOVATIVE FEATURES

- Positive electrode tubular - plate with a polyester gauntlet in corrosion resistant LA-PbSbSe - alloy
- Negative electrode grid - pasted type with long-life expander material
- Separation micro porous separator
- Electrolyte sulphuric acid with a density of 1,24 kg/l
- ABS, high impact transparent SAN container
- Plug for arresting aerosols - ceramic plugs according DIN 40 740
- Sliding Pole - bushing 100% gas- and electrolyte-tight
- M10 brass insertion pole
- Connectors, flexible insulated copper cables

## CONSTRUCTION FEATURES

- Designed service life of 20 years
- High cycle service life
- Better temperature resistance performance
- Excellent deep cycle performance
- Better safety performance and reliability
- FV0 flame retardant casing
- High Performance price/ratio and low yearly operating cost

## STANDARDS AND CERTIFICATION

- No special shipping requirements
- Non Hazardous goods
- Deutsche Telecom TL4423-06OGIV

## MAIN APPLICATIONS



TELECOMMUNICATION



POWER GENERATION



MARITIME PURPOSES



RENEWABLE ENERGY



EMERGENCY LIGHTING

## TECHNICAL FEATURES

**Plates:** positive plate adopts tubular type plate, which can effectively prevent active substance falling, the positive plate frame is moulded with multi-component alloy, the crystal particle of alloy structure is tiny and dense, the corrosion-resisting performance is fine and service life is long. Negative plate adopts pasted plate, the grid adopts radiated structure, which enhances utilization ratio of active substance and discharge capability of strong current, and the charge reception capability is strong.

**Container and lid:** it is made of SAN and ABS material, corrosion prevention is fine, strength is high, and appearance is beautiful, it can be sealed with lid reliably, which can prevent potential leakage risk.

**Separator:** adopt special micro-pore PVC-SiO<sub>2</sub> separator from Europe AMER-SIL Company, the porosity of separator is big and resistance is low. It has bigger electrolyte storage space.

**Terminal sealing:** the built-in copper core lead-base terminal post has stronger current carrying capacity and corrosion resistance. The unique double sealing structure of terminal post can effectively avoid leakage, guarantee reliability of terminal post sealing.

**Safety valve:** adopt Germany technology, constant opening and closing valve, high reliability, the accumulator case expansion, damage and electrolyte dry up can be avoided.

## TECHNICAL CHARACTERISTICS

WING OPzV							
Type	Nominal Voltage (V)	Nominal Capacity (Ah) C10/20°C/1.80V	Dimensions (mm)			Weight (kg)	Terminals Thread
			Depth	Width	Height		
2 OPzS 100	2	107	103	206	420	8,7 / 13,7	M10
3 OPzS 150	2	155	103	206	420	11 / 16	M10
4 OPzS 200	2	208	103	206	420	13 / 18	M10
5 OPzS 250	2	259	124	206	420	16 / 22	M10
6 OPzS 300	2	310	145	206	420	18 / 26	M10
5 OPzS 350	2	380	124	206	536	20 / 29	M10
6 OPzS 420	2	454	145	206	536	24 / 34	M10
7 OPzS 490	2	532	166	206	536	28 / 39	M10
6 OPzS 600	2	640	145	206	711	35 / 50	M10
8 OPzS 800	2	853	210	191	711	46 / 65	M10
10 OPzS 1000	2	1065	210	233	711	57 / 80	M10
12 OPzS 1200	2	1278	210	275	711	66 / 93	M10
12 OPzS 1500	2	1613	210	275	861	88 / 119	M10
16 OPzS 2000	2	2143	212	397	837	115 / 160	M10
20 OPzS 2500	2	2675	212	487	837	145 / 200	M10
24 OPzS 3000	2	3208	212	576	837	170 / 240	M10

## DIMENSIONS / POLE SETTINGS

