

PS series

GLOBAL OPzS Type Stationary Flooded Tubular Lead Acid Battery

GLOBAL OPzS type battery is robust energy storage solution, with a proven thchnology that has been used for several decades in applications that require a safe and reliable battery with long service life.

Applications

- Power Plants (Nuclear, Fire & Water Power)
- UPS System
- Communication Equipments
- Renewable Energy Systems (Solar, Wind & Hydro)
- Switchboard Plants

Product characteristics

Positive Tubular Plates

With a special lead-alloy for reduction in water loss and filling intervals

This is well proven and known for its high reliability and long service life in float charging operation

Negative Plates

The plates are manufactured with grid design. In this case a lead alloy with antimony content is used

Dry-charged or ready for use electrolyte filled

The batteries are available filled with electrolyte or dry-charged(for long term stocking, container transport or air transport).

Separator

Manufactured from microporous non-corrosive rubber, a matreial of high porosity, low electrical resistance and high acid resistance

Life expectancy

- Design life at 25°C : ≥ 20 years

Certificate



- ISO 9001
- ISO 14001
- KEPIC(Korea Electric Power Industry Code)

Containers

Manufactured from transparent synthetic resins

Safety Vents

For safe operation the OPzS batteries are fitted with vent plugs. They are explosion-proof, retaining the acid aerosols and allowing the release of hydrogen and oxygen

Terminals

The terminal posts are corrosion-resistance lead-antimony alloy. Adopted Earthquake-resistant design

Post seals

High integrity post seal design to prevent electrolyte leakage and terminal corrosion

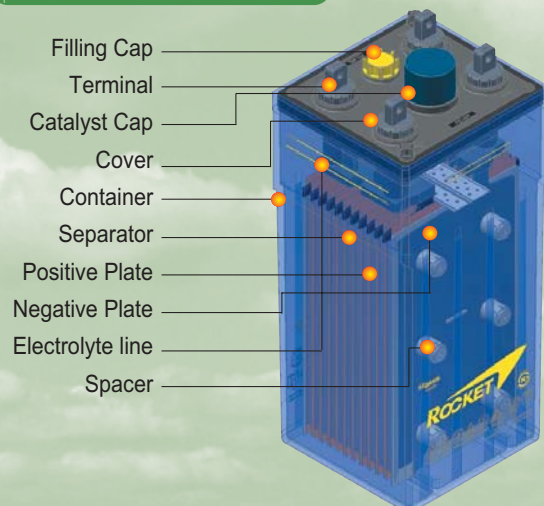
Accessory

Hydrometer, Thermometer, Voltmeter, Funnel, Kettle
Standard Tool Box, Syringe, Apron, Rubber gloves

Electrolyte / Charging Voltage (25°C)

Gravity (±0.010)	Floating (V)	Equalizing (V)
1.215	2.15	2.26~2.4
1.240	2.18	

Product Construction



PS series

GLOBAL OPzS type Battery

They are ideally suitable for use in solar, wind power station, telecommunication and many other safety equipment power supplies.

GLOBAL's Stationary battery manufacture is in compliance with ISO9001 and 14001 quality assurance. Our continuous investment in battery technology is reflected by means of premium products that are of the highest quality and reliability.



Specification

Model	Dimensions (mm)				Weight including Electrolyte (kg)	Electrolyte quantity (ℓ)
	Length (L) (±)2	Width (W) (±)2	Height (H) (±)5	Total Height (TH) (±)5		
PS - 130E	120	170	377	430	12.6	3.6
PS - 170E	120	170	377	430	14.0	3.3
PS - 210E	195	170	377	430	19.7	6.3
PS - 250E	195	170	377	430	21.0	6.0
PS - 330E	195	170	377	430	23.8	5.4
PS - 400E	285	170	377	430	31.5	9.2
PS - 440E	285	170	377	430	32.8	9.0
PS - 500E	390	170	377	430	42.2	12.9
PS - 600E	390	170	377	430	46.2	12.5
PS - 700E	515	170	377	430	57.4	17.3
PS - 800E	515	170	377	430	60.7	17.0
PS - 900E	515	170	377	430	65.2	16.0
PS - 1000E	276	296	691	726	103.2	29.5
PS - 1200E	276	296	691	726	114.0	28.7
PS - 1400E	276	296	691	726	125.2	27.6
PS - 1600E	391	301	712	747	148.0	44.5
PS - 1800E	391	301	712	747	155.2	43.0
PS - 2000E	391	301	712	747	167.0	41.2
PS - 2200E	391	301	712	747	175.0	40.5
PS - 2400E	391	301	712	747	194.0	36.2
PS - 2600E	391	301	712	747	213.0	31.9
PS - 2800E	490	410	725	763	265.0	89.8
PS - 3200E	490	410	725	763	275.0	85.1
PS - 3600E	490	410	725	763	293.0	85.3
PS - 4000E	490	410	725	763	305.0	82.5
PS - 4400E	490	410	725	763	320.0	78.0

* Total Height (TH) from Sealed-type dimensions

* Above specifications subject to change without prior notice

Stationary Flooded Tubular Lead Acid Battery

Technical Data (Ampere/Hour Capacity)

Type of Cell	Specific Gravity 1.240 at 20°C(68°F)				Specific Gravity 1.215 at 20°C(68°F)			
	Cell Temperature 25°C(77°F)				Cell Temperature 25°C(77°F)			
	10 hour rate to 1.80 V/Cell	5 hour rate to 1.75 V/Cell	3 hour rate to 1.70 V/Cell	1 hour rate to 1.60 V/Cell	10 hour rate to 1.80 V/Cell	5 hour rate to 1.75 V/Cell	3 hour rate to 1.70 V/Cell	1 hour rate to 1.60 V/Cell
PS - 130E	145	115	100	72	130	104	91	65
PS - 170E	190	150	130	95	170	136	119	85
PS - 210E	220	176	155	110	210	168	147	105
PS - 250E	280	224	195	140	250	200	175	125
PS - 330E	366	293	256	183	330	264	231	165
PS - 400E	420	336	295	210	400	320	280	200
PS - 440E	488	391	342	244	440	352	308	220
PS - 500E	560	445	390	280	500	400	350	250
PS - 600E	665	530	465	330	600	480	420	300
PS - 700E	760	608	530	380	700	560	490	350
PS - 800E	890	713	625	445	800	640	560	400
PS - 900E	1000	800	700	500	900	720	630	450
PS - 1000E	1080	864	755	540	1000	800	700	500
PS - 1200E	1300	1040	910	650	1200	960	840	600
PS - 1400E	1600	1280	1120	800	1400	1120	980	700
PS - 1600E	1700	1360	1190	850	1600	1280	1120	800
PS - 1800E	1950	1560	1365	975	1800	1440	1260	900
PS - 2000E	2220	1775	1555	1110	2000	1600	1400	1000
PS - 2200E	2440	1950	1710	1220	2200	1760	1540	1100
PS - 2400E	2640	2110	1850	1320	2400	1920	1680	1200
PS - 2600E	2860	2288	2007	1433	2600	2080	1820	1299
PS - 2800E	3080	2464	2161	1543	2800	2240	1960	1399
PS - 3200E	3520	2816	2470	1763	3200	2560	2240	1599
PS - 3600E	3960	3168	2778	1984	3600	2880	2520	1799
PS - 4000E	4400	3520	3087	2204	4000	3200	2800	1999
PS - 4400E	4840	3872	3396	2425	4400	3520	3080	2199