

STANDARDS



Complied standards

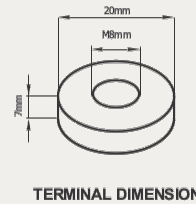
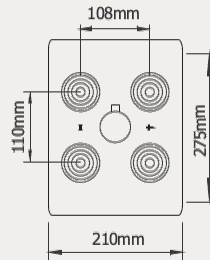
- IEC 60896-11
- DIN40736
- IEC61427
- Eurobat guide, long life
- BS6290 part 4
- UL1989

The OPzS series is a traditional tubular plate flooded battery which offers 20+ years design life according to the standard IEC60896-11. With a new design and technical improvement, it offers maximum efficiency and reliability for the widest variety of applications. This series is highly suited for all standby power applications that require the highest levels of reliability and security.

IMAGE



TERMINAL TYPE



SPECIFICATIONS

Capacity (25°C)	1500Ah @ 10HR		1650Ah @ 20HR	
Internal Resistance	Approx. 0.32mOhm (fully charged @ 20°C)			
Self Discharge	3% of capacity declined per month at 20°C			
Capacity Affected by Temperature	102% (40°C)	100% (25°C)	85% (0°C)	65% (-15°C)
Charge Voltage (25°C)	Cycle - 2.35-2.40V (-5mV/°C/cell)		Float - 2.21-2.25V (-3mV/°C/cell)	
Max. Charge Current	300A			
Max. Discharge Current	3000A			

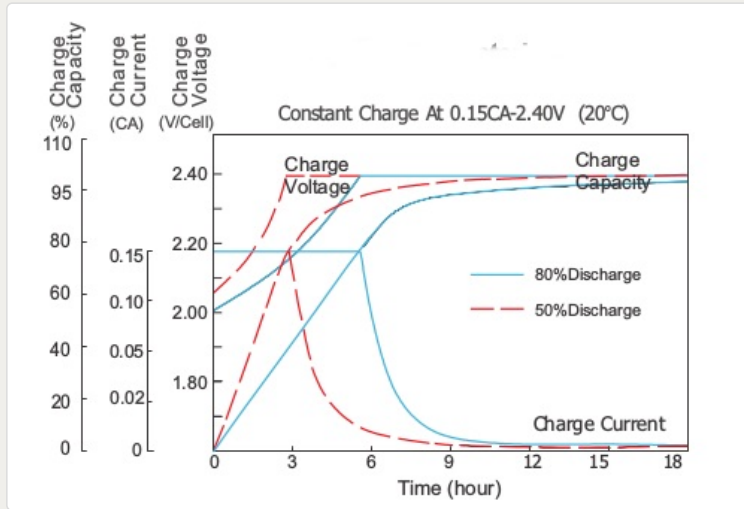
DIMENSIONS

Length	Width
275mm	210mm
Height	Total Height
795mm	850mm
Approx. Weight	w/o electrolyte: 71 Kg w/ electrolyte: 98Kg

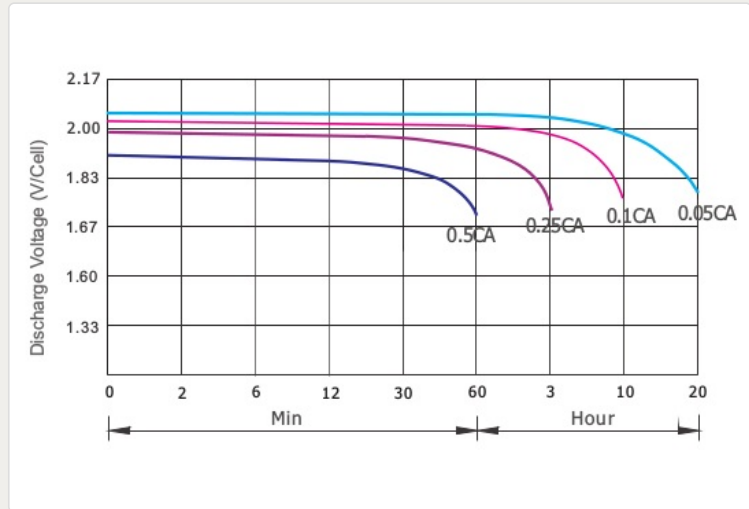
CONSTRUCTION

Component	Raw Material	Sealant	Epoxy Resin
Positive	Lead dioxide	Safety Valve	Rubber
Negative	Lead	Terminal	Copper
Container	SAN	Separator	Fibre Glass
Cover	ABS (Flame Retardant Optional)	Electrolyte	Sulphuric acid

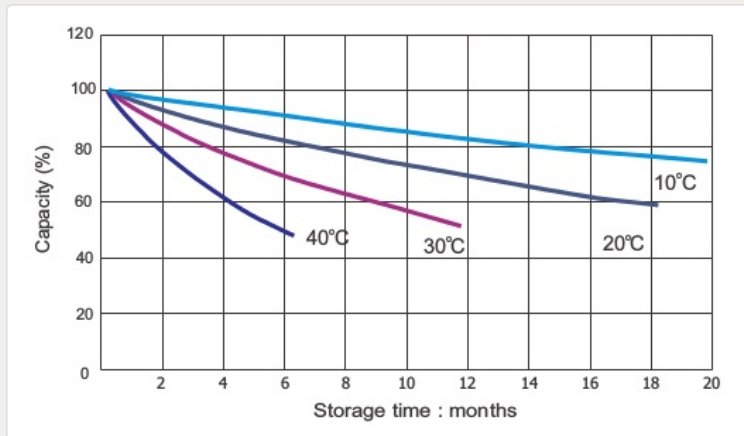
CHARGE CHARACTERISTICS



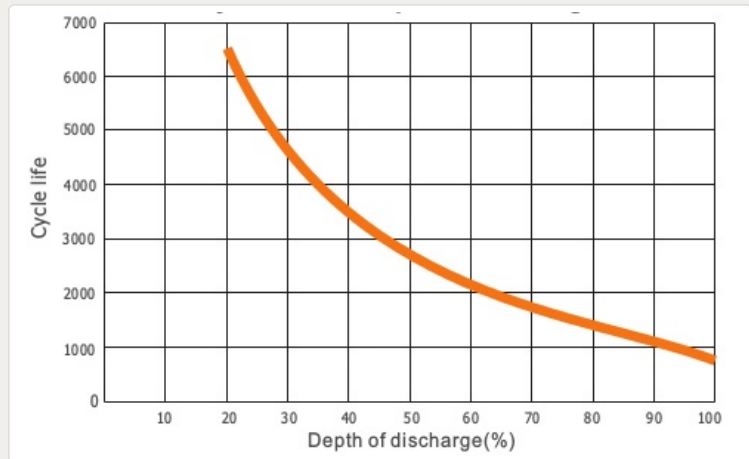
DISCHARGE CHARACTERISTIC 25°C



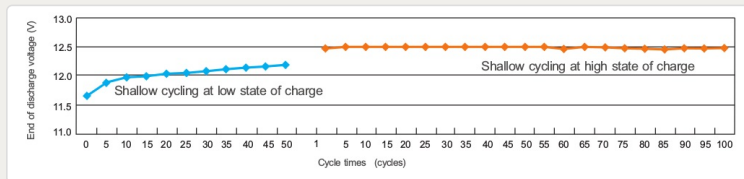
SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



CYCLE DISCHARGE VOLTAGE CURVE (Test standard BS EN 61427:2005)



CONSTANT DISCHARGE RATINGS

F.V / Time	5MIN	10MIN	30MIN	1HR	3HR	5HR	10HR	20HR	100HR
1.90 V	509 987	463 898	412 799	449 863	284 617	209 447	137 282	75.1 151.2	19.1 41.3
1.85 V	550 1066	527 1023	515 968	510 981	314 645	245 497	143 306	78.4 164.7	20.3 43.0
1.80 V	877 1702	842 1633	709 1295	656 1286	384 821	260 567	150 330	82.5 171.2	21.0 44.1
1.75 V	1053 2043	1010 1960	811 1304	731 1296	398 869	267 593	155 344	86.6 175.4	21.5 44.5

CONSTANT CURRENT DISCHARGE RATINGS - AMPERES AT 25°C

CONSTANT POWER DISCHARGE RATINGS - WATTS AT 25°C