

2V100Ah @ 10HR

Rekoser OPzS Battery

Rekoser OPzS battery. 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.



Complied standards

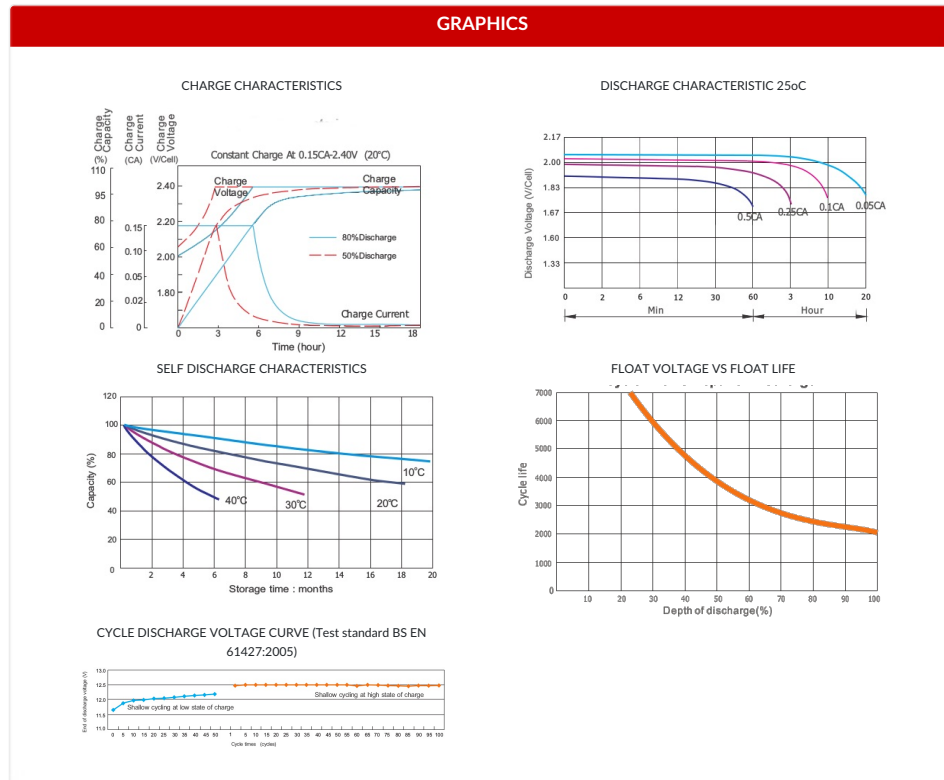
- IEC 60896-11
- DIN40736
- IEC61427
- Eurobat guide, long life
- BS6290 part 4



SPECIFICATIONS				
Nominal Voltage	2V			
Capacity (25°C)	100Ah @ 10HR 108Ah @ 20HR 67.5 @ 135HR			
Internal Resistance	Approx. 0.35mOhm (fully charged @ 20°C)			
Self Discharge	3% of capacity declined per month at 20°C			
Cell number	1 cells			
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	20A			
Max. Discharge Current	800A			

DIMENSIONS AND WEIGHT	
Dimensions (mm)	103x206x354(409)
Weight (kgs)	w/o electrolyte: 8.5

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



CONSTANT DISCHARGE RATINGS (A, W) AT 25°C																				
F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR	100HR										
1.90 V	39.9A	77.4W	36.3A	70.4W	33.0A	63.2W	32.3A	61.1W	29.9A	57.5W	18.9A	41.1W	13.9A	29.8W	9.1A	18.8W	5.01A	10.1W	1.27A	2.75W
1.85 V	43.1A	83.6W	41.3A	80.2W	40.6A	77.9W	40.4A	75.9W	34.0A	65.4W	20.9A	43.0W	16.3A	33.1W	9.5A	20.4W	5.23A	11.0W	1.35A	2.87W
1.80 V	68.8A	134W	66.0A	128W	64.6A	110W	55.6A	102W	43.7A	85.4W	25.6A	54.7W	17.3A	37.8W	10.0A	22.0W	5.5A	11.4W	1.4A	2.94W
1.75 V	82.6A	160W	79.2A	154W	76.8A	113W	63.6A	102W	48.7A	86.4W	26.5A	57.9W	17.8A	39.5W	10.3A	22.9W	5.78A	11.7W	1.43A	2.96W