

OPzS2-770

2V 770AH

Flooded Tubular Deep Cycle Valve Regulated Lead Acid Battery

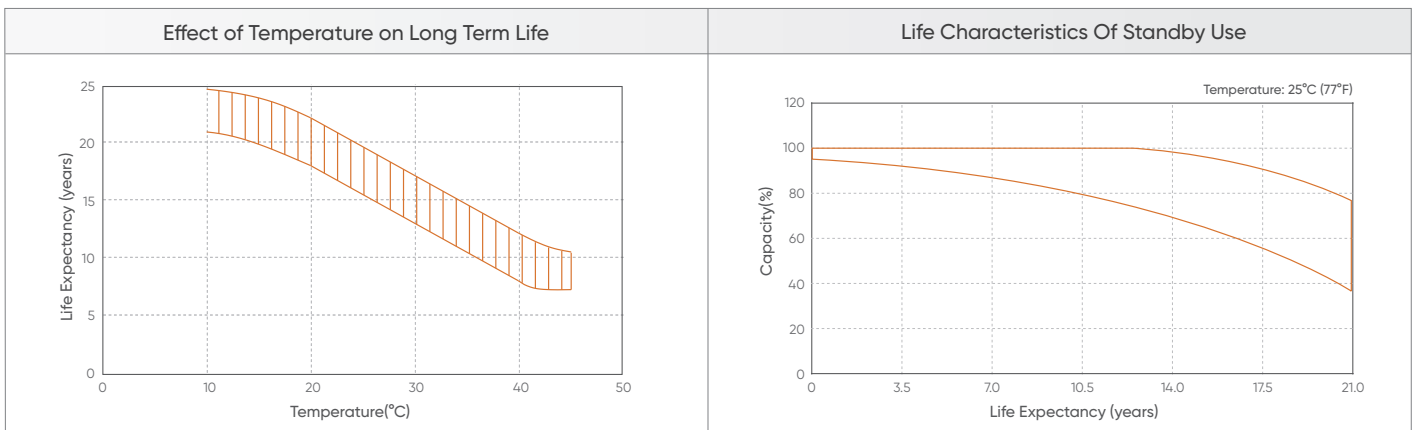
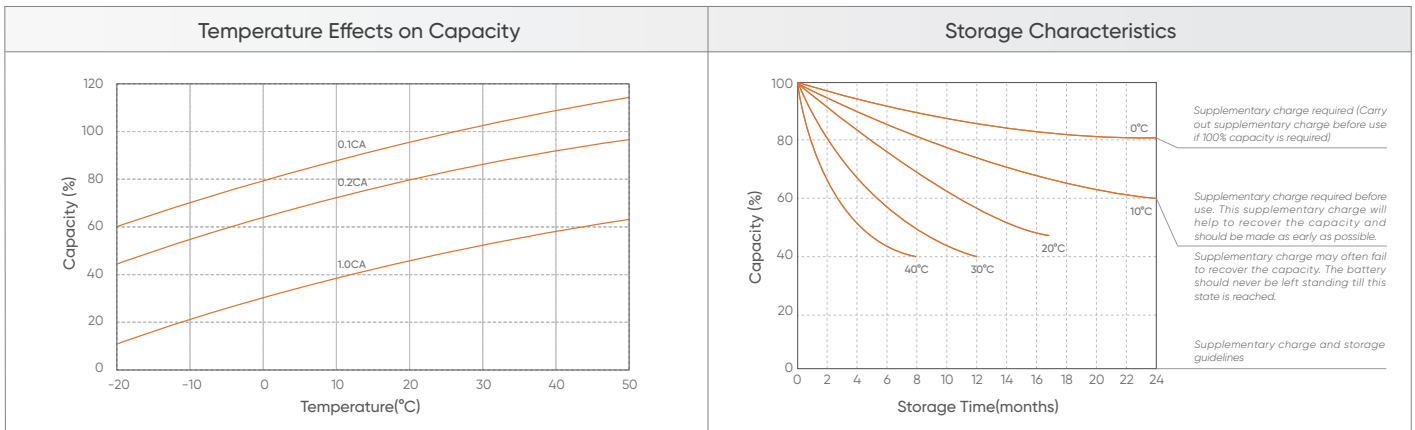
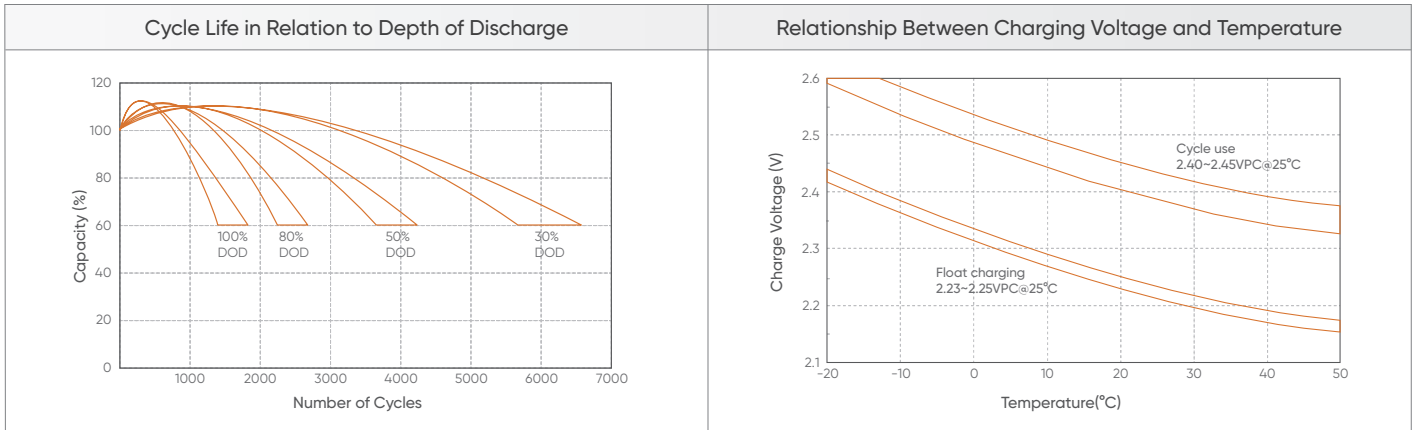
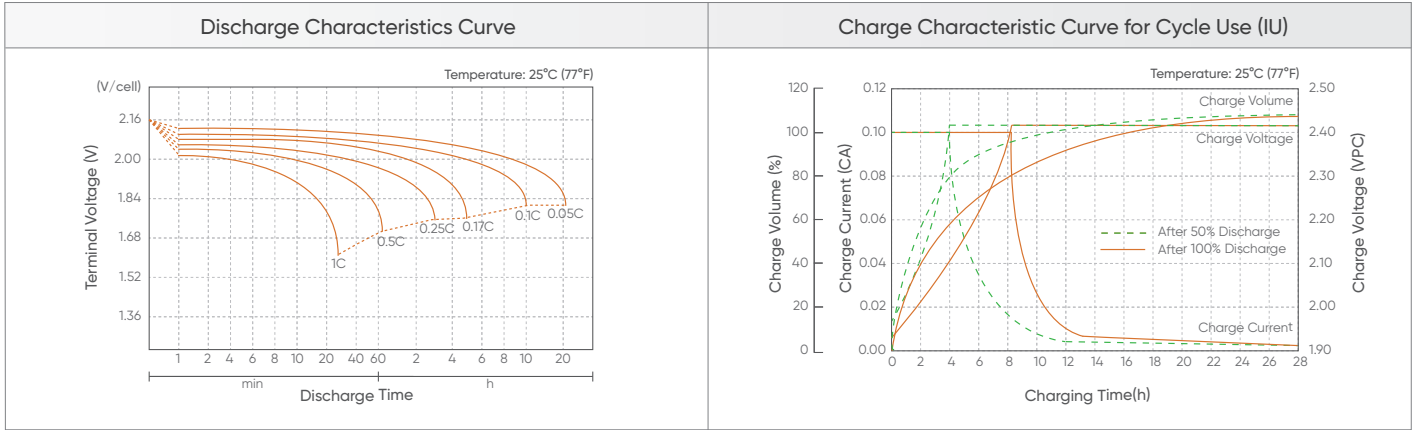
OPzS series is flooded Lead Acid battery that adopts Tubular Plate technology to offer high reliability and performance. The Battery is designed and manufactured according to standards of DIN40736-2/IEC60896-11 with positive spine and patent formula of die-casting active material. OPzS series exceeds standard values with more than 20 years floating design life at 25°C and is suitable for cyclic use(solar/wind energy storage system, traction etc) under extreme operating conditions.



Specification		Dimensions
Cells Per Unit	1	<p>Unit: mm</p> <p>F10 Terminal Torque Value: 10-12 N*m</p> <p>Length 210±1mm (8.27 inches)</p> <p>Width 254±1mm (10.0 inches)</p> <p>Height 471±1mm (18.5 inches)</p> <p>Total Height 528±1mm (20.8 inches)</p>
Voltage Per Unit	2	
Capacity	770Ah@10hr-rate to 1.85V per cell @25°C	
Weight	Approx. 58.9Kg/45.4Kg (with/without electrolyte)	
Internal Resistance	Approx. 0.31 mΩ	
Terminal	F10(M8)	
Max. Discharge Current	3000A (5 sec)	
Design Life	20 years (floating charge)	
Maximum Charging Current	115.5 A	
Reference Capacity	C24 837.9AH C48 942.6AH C72 989.8AH C100 1012.5AH C120 1032.7AH C240 1050.0AH	
Float Charging Voltage	2.23V~2.25V @25°C Temperature Compensation: -3mV/°C/Cell	
Cycle Use Voltage	2.40V~2.45V @25°C Temperature Compensation: -4mV/°C/Cell	
Operating Temperature Range	Discharge: -15°C~50°C Charge: 0°C~40°C Storage: -15°C~50°C	
Normal Operating Temperature Range	25°C ± 5°C	
Self Discharge	Monthly Self-discharge ratio is less than 3.5% at 25°C. Please charge batteries before using.	
Container Material	A.B.S. UL94-HB, UL94-V0 Optional	

Constant Current Discharge Characteristics: A (25°C)										
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.90V	409.7	324.8	229.0	174.6	138.3	122.9	107.5	83.91	71.96	41.38
1.87V	458.0	358.1	245.7	185.8	145.9	130.0	114.0	87.84	75.19	43.23
1.83V	524.6	399.7	266.5	198.8	153.6	135.8	118.0	91.76	78.42	45.10
1.80V	582.9	433.0	276.5	204.6	156.7	139.0	121.3	94.11	80.85	46.49
1.75V	649.5	463.8	289.0	211.2	159.3	141.5	123.7	95.68	82.47	47.41
1.70V	716.2	478.8	297.3	216.2	162.1	143.7	125.3	96.46	83.28	47.89
1.65V	738.7	508.8	307.3	221.5	164.4	145.7	126.9	97.25	84.08	48.36
1.60V	770.3	526.3	318.9	229.0	169.0	148.8	128.6	98.03	84.89	48.82

Constant Power Discharge Characteristics : WPC (25°C)										
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.90V	784.2	623.5	442.7	339.4	270.6	241.6	212.6	167.8	146.7	84.33
1.87V	862.9	677.1	469.5	358.9	285.2	255.0	224.8	174.9	152.9	87.93
1.83V	966.6	738.2	499.6	379.3	299.0	265.5	232.0	181.2	158.4	91.08
1.80V	1056	787.5	516.4	389.4	304.7	271.3	237.7	185.1	162.3	93.35
1.75V	1146	822.7	533.1	398.5	308.8	275.2	241.7	187.4	164.7	94.69
1.70V	1229	831.1	546.5	406.8	313.6	279.0	244.2	189.0	166.3	95.59
1.65V	1250	867.9	561.6	415.3	317.7	282.0	246.6	190.6	167.0	96.05
1.60V	1265	894.7	575.0	425.5	325.8	287.1	248.2	191.4	167.8	96.49



(Note) All above information shall be changed without prior notice, SunArk reserves the right to explain and update the latest information.