

OPzS2-800

2V 800AH

Flooded Tubular Deep Cycle Valve Regulated Lead Acid Battery

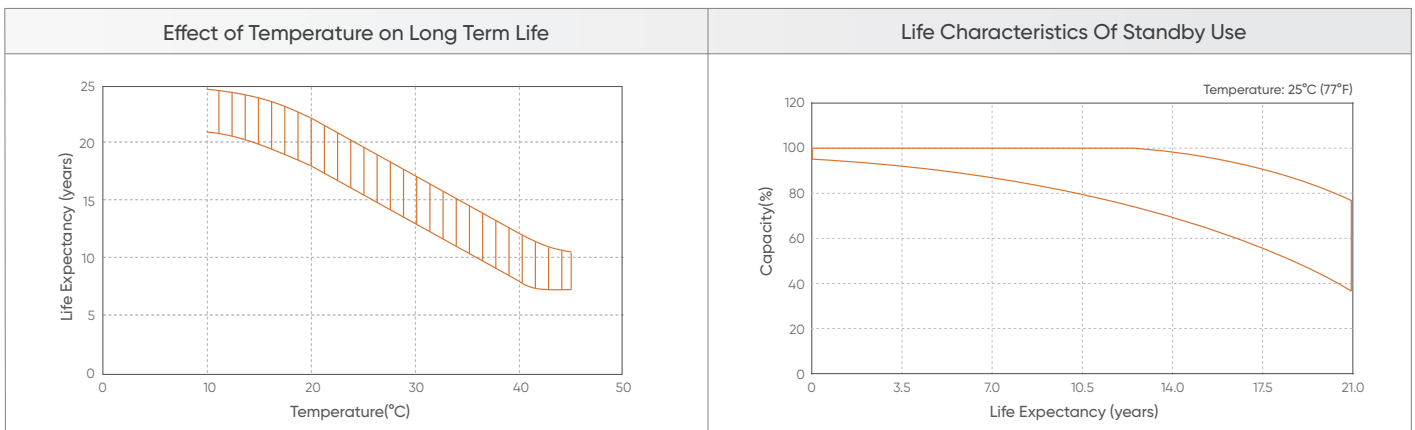
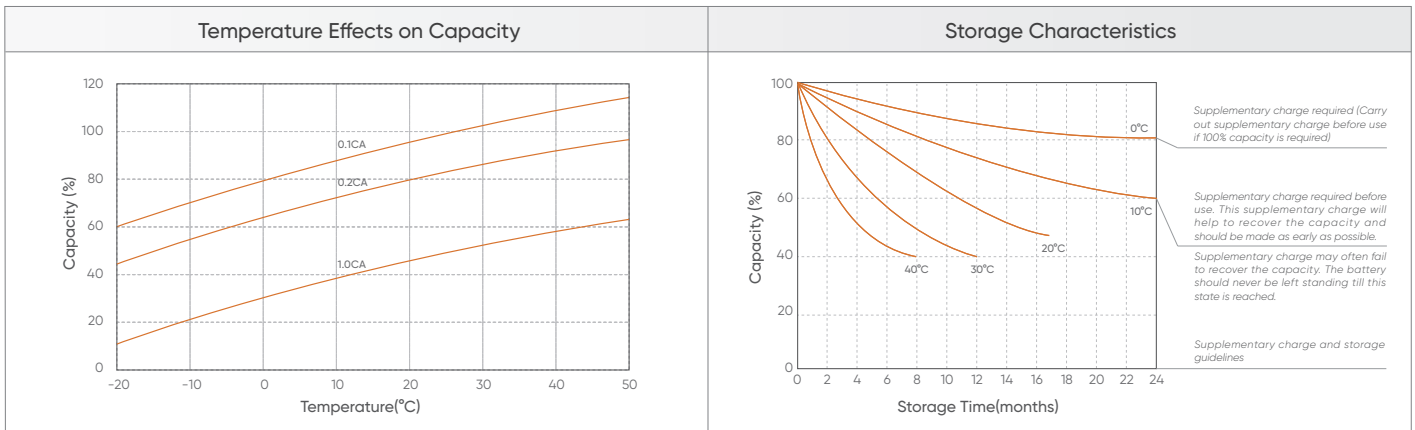
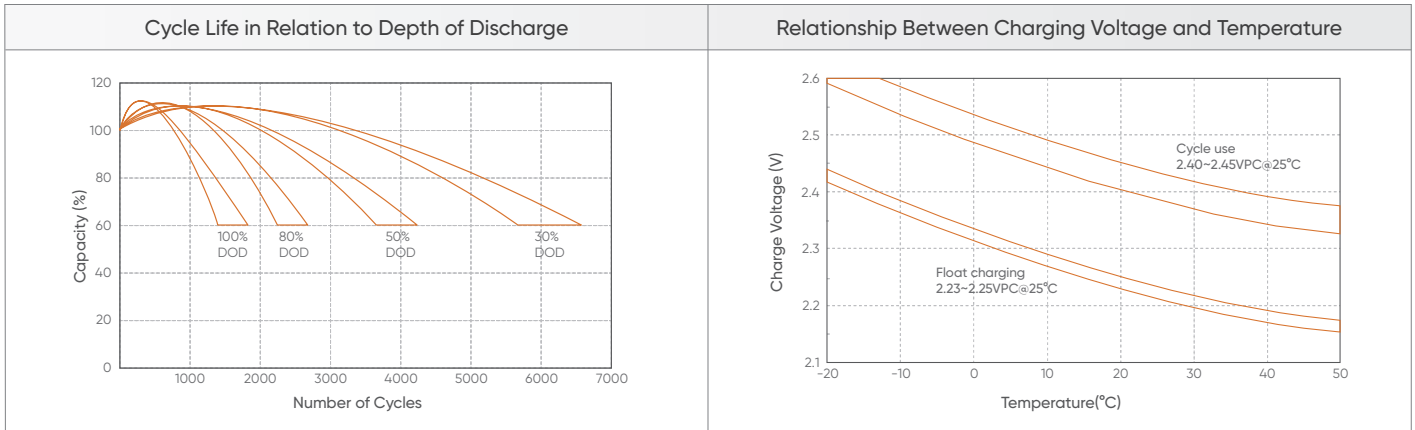
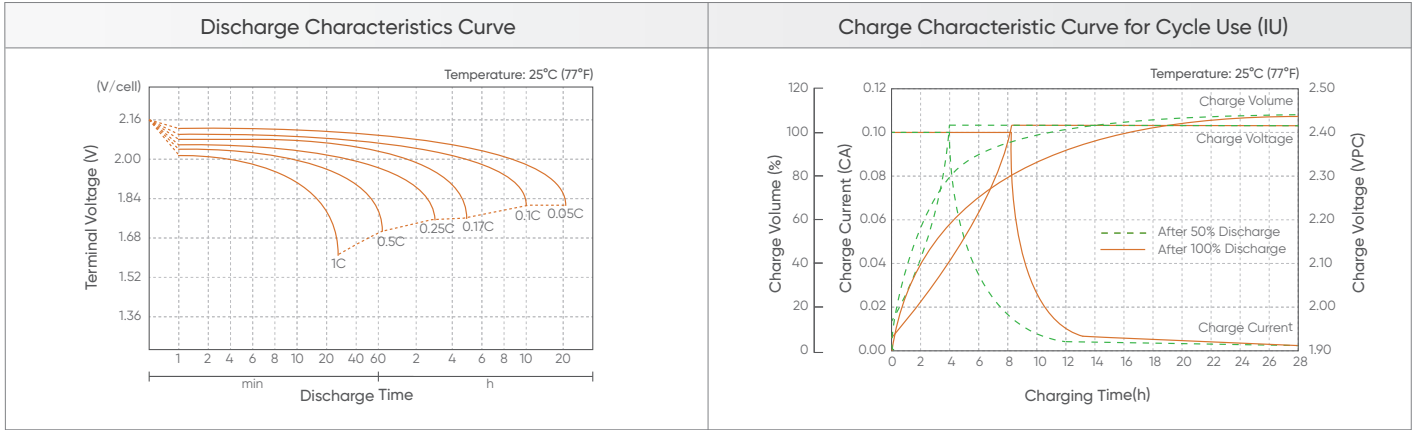
OPzS series is flooded Lead Acid battery that adopts Tubular Plate technology to offer high reliability and performance. The Battery is designed and manufactured according to standards of DIN40736-2/IEC60896-11 with positive spine and patent formula of die-casting active material. OPzS series exceeds 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>Length 191±1mm (7.52 inches)</p> <p>Width 210±1mm (8.27 inches)</p> <p>Height 646±1mm (25.4 inches)</p> <p>Total Height 703±1mm (27.7 inches)</p>
Voltage Per Unit	2	
Capacity	800Ah@10hr-rate to 1.85V per cell @25°C	
Weight	Approx. 64.3Kg/47.6Kg (with/without electrolyte)	
Internal Resistance	Approx. 0.28 mΩ	
Terminal	F10(M8)	
Max. Discharge Current	3200A (5 sec)	
Design Life	20 years (floating charge)	
Maximum Charging Current	120.0 A	
Reference Capacity	C24 957.6AH C48 1077.3AH C72 1131.2AH C100 1157.1AH C120 1180.2AH C240 1200.0AH	
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	425.7	337.4	237.9	181.4	143.6	127.7	111.7	87.18	74.76	42.99
1.87V	475.9	372.0	255.2	193.1	151.6	135.0	118.4	91.26	78.12	44.91
1.83V	545.1	415.3	276.9	206.5	159.6	141.1	122.6	95.33	81.48	46.86
1.80V	605.6	449.9	287.2	212.6	162.8	144.4	126.0	97.78	84.00	48.30
1.75V	674.9	481.9	300.2	219.4	165.5	147.0	128.5	99.41	85.68	49.26
1.70V	744.1	497.5	308.9	224.6	168.4	149.3	130.2	100.2	86.52	49.76
1.65V	767.4	528.6	319.3	230.2	170.8	151.3	131.9	101.0	87.36	50.24
1.60V	800.3	546.8	331.4	237.9	175.6	154.6	133.6	101.9	88.20	50.72

Constant Power Discharge Characteristics : WPC (25°C)										
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.90V	814.7	647.8	460.0	352.7	281.1	251.0	220.9	174.4	152.4	87.61
1.87V	896.5	703.4	487.8	372.9	296.3	264.9	233.5	181.7	158.9	91.36
1.83V	1004	766.9	519.1	394.0	310.7	275.9	241.1	188.2	164.6	94.63
1.80V	1097	818.2	536.5	404.5	316.6	281.8	247.0	192.3	168.7	96.98
1.75V	1190	854.7	553.9	414.0	320.8	285.9	251.2	194.7	171.1	98.38
1.70V	1276	863.4	567.8	422.6	325.9	289.8	253.7	196.4	172.7	99.31
1.65V	1298	901.7	583.5	431.4	330.1	293.0	256.2	198.0	173.6	99.79
1.60V	1314	929.5	597.4	442.1	338.5	298.3	257.9	198.8	174.4	100.25



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