



Your reliable battery solution
Shenzhen XYC Electronic Co., Ltd.



OPzS2-3000 2V3000Ah(10hr)

OPzS series 2V TUBULAR FLOODED SERIES BATTERY

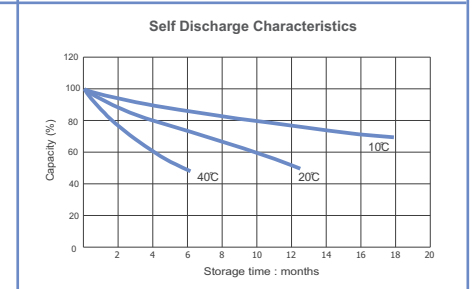
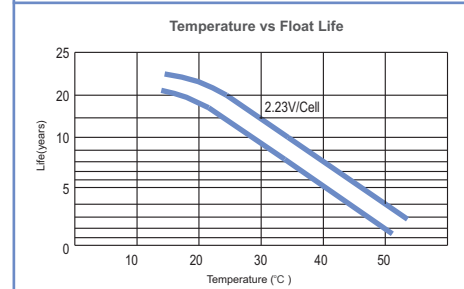
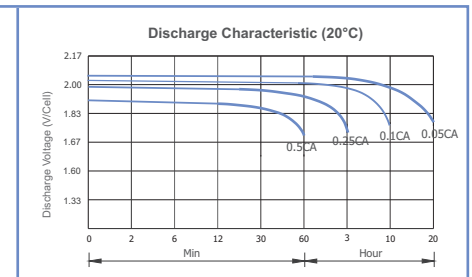
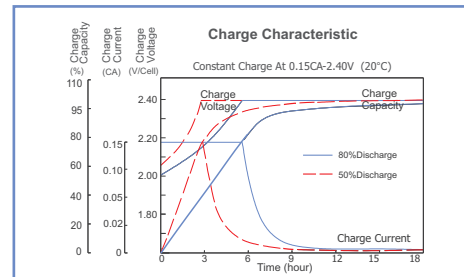
The OPzS series is a traditional tubular plate flooded battery which offers 20+ years design life according to the standard IEC60896-11. With a new design and technical improvement, it offers maximum efficiency and reliability for the widest variety of applications. This series is highly suited for all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

2 V 3000 Ah	Tubular Flooded	20+ years design life



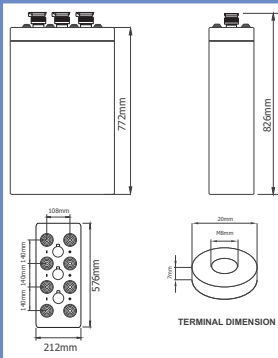
Design for Frequent Cyclic Charge and Discharge Applications Under Extreme Environments.

Up to 20 years in standby service at 25°C(77°F)	Float Charging Voltage(20~25°C) 2.21~2.25 V (-3mV/°C/cell)
Nominal Operating Temperature:20°C(68°F)	Equalization Charging Voltage(20~25°C) 2.35~2.4 V (-5mV/°C/cell)
Discharge:-25°C~65°C(-40°F~149°F)	
Charge:-20°C~65°C(-22°F~149°F)	
Storage:-15°C~40°C(-13°F~113°F)	



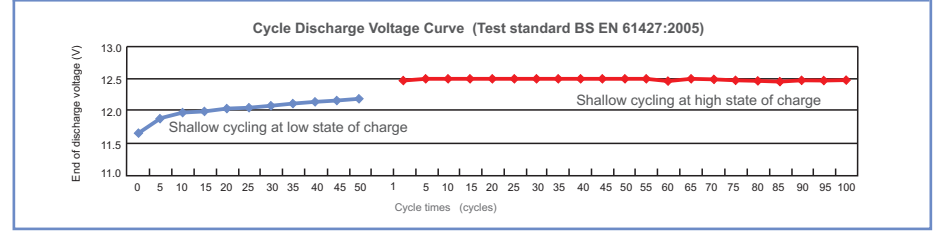
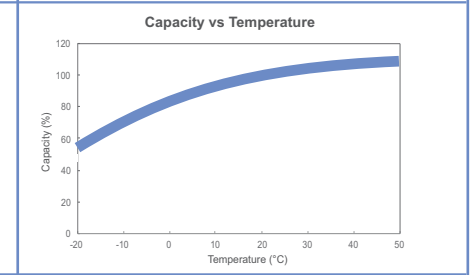
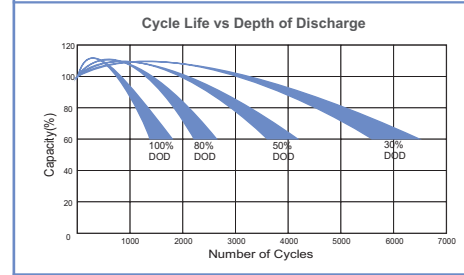
Specification

Nominal Voltage	2V		
Nominal Capacity	3000Ah @10hr-rate to 1.80V per cell @20°C		
Weight	Without electrolyte:155Kg(342lbs)		
	With electrolyte:218Kg(481lbs)		
Electrolyte	Diluted sulphuric acid of 1.240g/cm(20°C)		
	Acid weight:63Kg		
Maximum Discharge Current	4000A(5sec)		
Internal Resistance	Approx.0.32mohm(fully charged @20°C)		
Short Circuit Current	7200A		
Maximum Charge Current	600A		
Terminal types	Femal Copper Insert M8		
Terminal tightening torque	10~12N.m		
Container Material	SAN		
Dimensions	Length(L)	576mm	22.68inch
	Width(W)	212mm	8.35inch
	Container Height(H)	772mm	30.39inch
	Overall Height(H)	826mm	32.52inch



F.V./Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8 h	10 h	20h
1.90V	958	871	792	775	897	702	567	477	417	309	273	150
1.85V	1034	991	974	970	1020	777	627	528	489	327	285	157
1.80V	1651	1584	1550	1334	1311	915	768	600	519	369	300	165
1.75V	1982	1901	1843	1526	1461	990	795	624	534	375	309	173

F.V./Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8 h	10 h	20h
1.90V	1974	1795	1612	1558	1725	1500	1233	1041	894	651	564	302
1.85V	2132	2045	1986	1935	1962	1695	1290	1158	993	711	612	329
1.80V	3404	3267	2800	2591	2571	2055	1641	1341	1134	801	660	342
1.75V	4085	3919	2871	2609	2592	2136	1737	1419	1185	813	687	351



Long time discharge capacity for Solar & Wind applications

Capacity	C24 (Ah)	C48 (Ah)	C72 (Ah)	C100 (Ah)	C120 (Ah)	C240 (Ah)
OPzS2-3000	3390	3720	3900	4050	4110	4200
Final Voltage	1.85 V					



Solar & Wind applications parameters settings

Over voltage disconnect:	2.47±0.01V/cell @ 20~25°C
Regulation/equalize voltage:	2.40±0.01V/cell @ 20~25°C
Array reconnection voltage:	2.23±0.005V/cell @ 20~25°C
Float voltage setting:	2.25±0.005V/cell @ 20~25°C
Low voltage alarm voltage:	1.95±0.005V/cell @ 20~25°C
Low voltage disconnect:	1.90±0.005V/cell @ 20~25°C
Load reconnect voltage:	2.09±0.01V/cell @ 20~25°C
Temp. compensate coefficiently:	-4mV/cell/°C