Your reliable battery solution

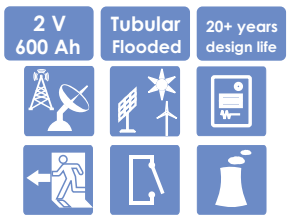
Shenzhen XYC Electronic Co.,Ltd.



OPzS2-600 *2V600Ah(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





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

Up to 20 years in standby service at 25°C(77°F)

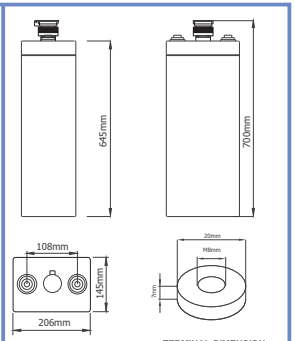
Nominal Operating Temperature:20°C(68°F)
Discharge:-25°C ~65°C(-40°F~149°F)
Charge:-20°C ~65°C(-22°F~149°F)
Storage:-15°C ~40°C(-13°F~113°F)

Float Charging Voltage(20~25°C)
2.21~2.25 V (-3mV/°C/cell)

Equlization Charging Voltage(20~25°C)
2.35~2.4 V (-5mV/°C/cell)

Specification

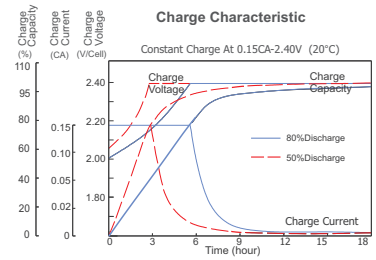
Nominal Voltage	2V (1 cells per unit)		
Nominal Capacity	600Ah @10hr-rate to 1.80V per cell @20°C		
Weight	Without electrolyte:32.0Kg(75.0lbs) With electrolyte:42.8Kg(94.4lbs)		
Electrolyte	Diluted sulphuric acid of 1.240g/cm(20°C) Acid weight:10.8Kg		
Maximum Discharge Current	1500A(5sec)		
Internal Resistance	Approx.0.54mohm(fully charged @20°C)		
Short Circuit Current	3700A		
Maximum Charge Current	120A		
Terminal types	Femal Copper Insert M8		
Terminal tightening torque	10~12N.m		
Container Material	SAN		
Dimensions	Length(L)	147mm	5.79inch
	Width(W)	206mm	8.11inch
	Container Height(H)	645mm	25.39inch
	Overall Height(H)	700mm	27.56inch

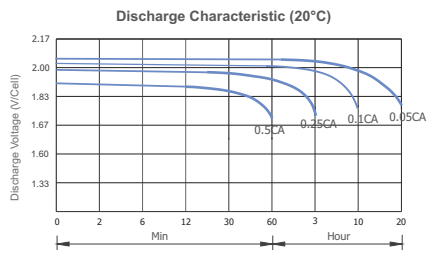


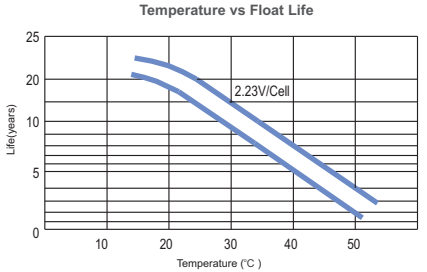
TERMINAL DIMENSION

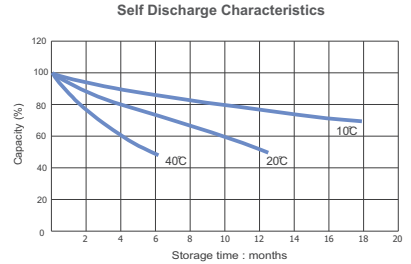
Constant Current Discharge Characteristics: Amps (20°C)												
F.V./Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8 h	10 h	20h
1.90V	239	218	198	194	179	140	113	95.4	83.4	61.8	54.6	30.0
1.85V	259	248	244	242	204	155	125	106	97.8	65.4	57.0	31.4
1.80V	413	396	388	334	262	183	154	120	104	73.8	60.0	33.0
1.75V	496	475	461	382	292	198	159	125	107	75.0	61.8	34.7

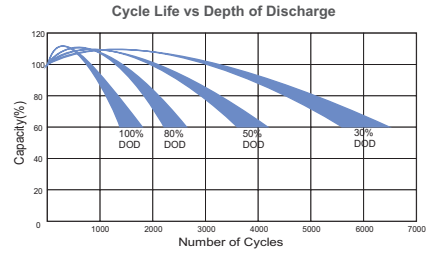
Constant Power Discharge Characteristics: W/cell (20°C)												
F.V./Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8 h	10 h	20h
1.90V	464	422	379	367	345	300	247	208	179	130	113	60.5
1.85V	502	481	467	455	392	339	258	232	199	142	122	65.9
1.80V	801	769	659	610	514	411	328	268	227	160	132	68.5
1.75V	961	922	676	614	518	427	347	284	237	163	137	70.1

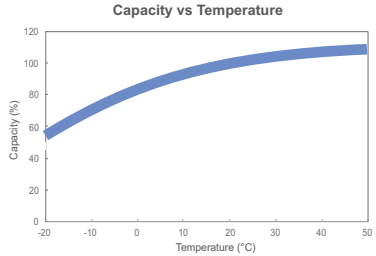


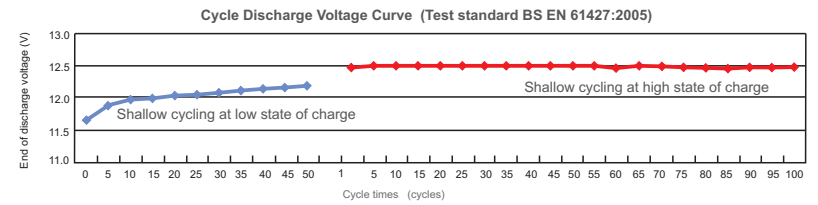












Long time discharge capacity for Solar & Wind applications

Capacity	C24 (Ah)	C48 (Ah)	C72 (Ah)	C100 (Ah)	C120 (Ah)	C240 (Ah)
OPzS2-600	678	744	780	810	822	840
Final Voltage	1.85 V					

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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 roconnection 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 coefficiency:	-4mV/cell/°C

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