



CHARACTERISTICS



High quality transparent containers for easy maintenance.

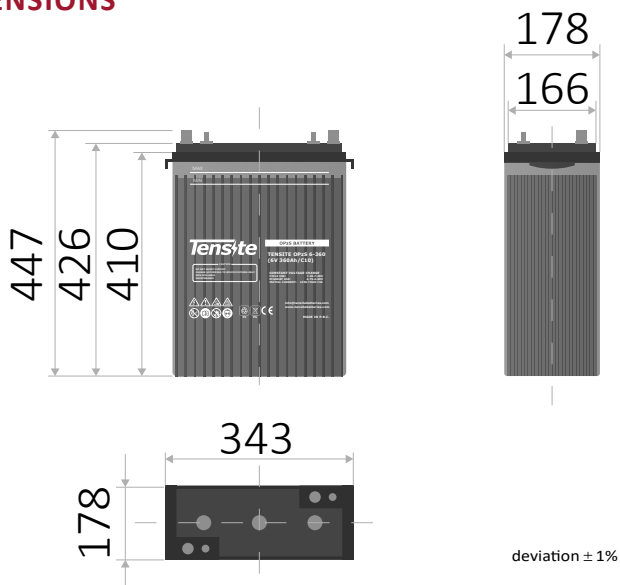


8 years design life due to its tubular plate flooded battery.



Perfect to use as accumulator in photovoltaic installations.

DIMENSIONS



ISO9001 ISO14001

Complied standards
IEC 60896-21/22
UL1989
JIS C8704
GB/T19639

OPzS 6V 600Ah Stationary battery

TUBULAR FLOODED SERIES BATTERY

The OPzS series is a traditional tubular plate flooded battery which offers 8 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 application that require the highest levels and security of reliability.



APPLICATION

- BTS Stations
- Solar and Wind energy system
- UPS system
- Telecom systems

RECOMMENDATIONS

- Check voltage every 3 months
- Avoid exposure to sub-zero temperatures
- Use automatic chargers with constant voltage
- Use the appropriate cable section and length
- Keep connections tight

TECHNICAL SPECIFICATIONS

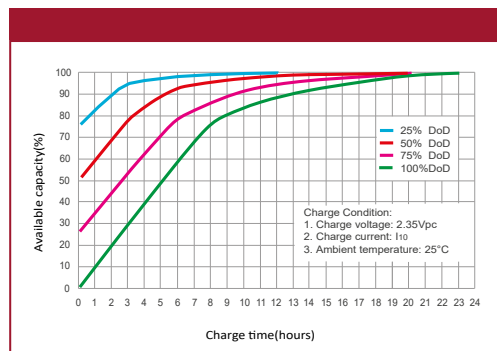
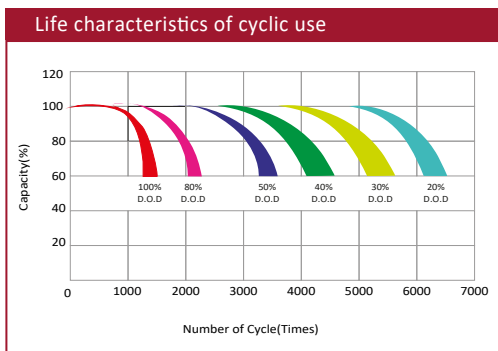
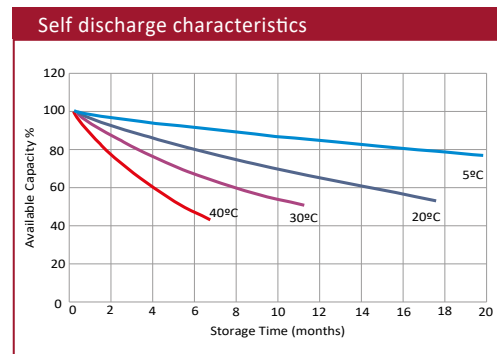
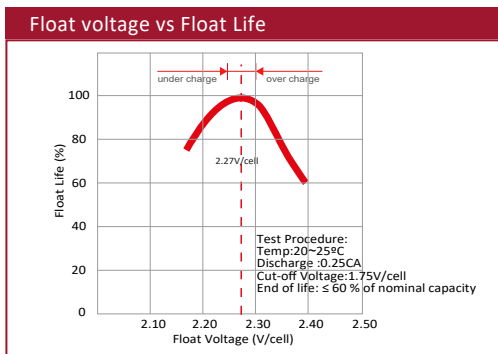
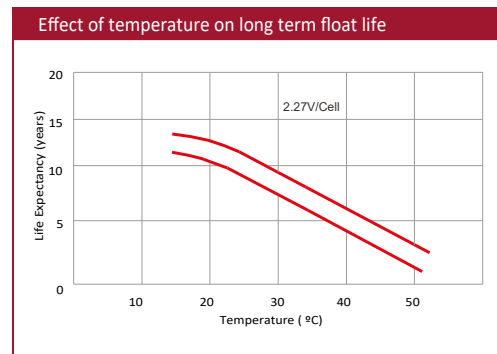
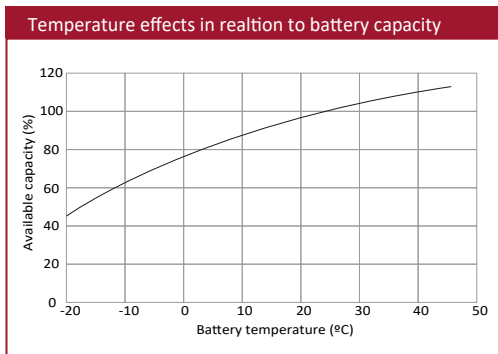
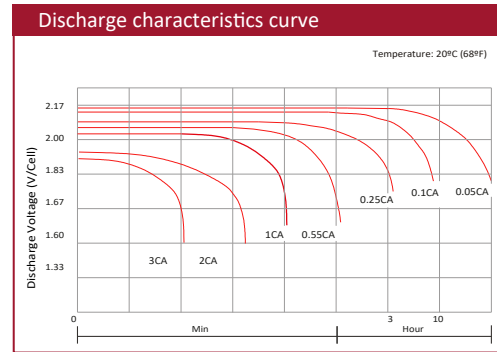
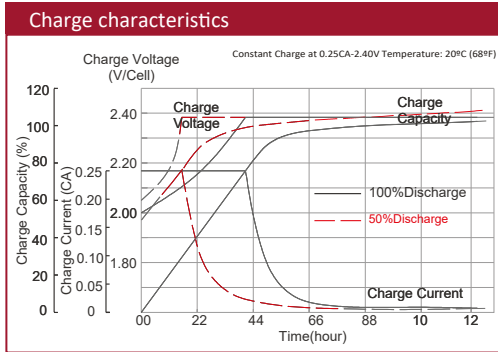
BATTERY MODEL	Nominal voltage		6V
	Rated capacity (15 min rate)		88Wh
APPROX. WEIGHT	Nominal Capacity (20°C)		600 Ah @ C100 (to 1.75Vpc)
	Without electrolyte		With electrolyte
	42.5 kg (93.5 lbs)		59.25 kg (130.35 lbs)
DIMENSIONS	L343mm x W178mm x H426mm		
ELECTROLYTE	Diluted sulphuric acid f 1.240 g/cm (20°C)		
	Acid weight: 16.75 Kg		
CHARGING	MAX. DISCHARGE CURRENT		MAX. CHARGING CURRENT
	1500 A (5s)		90 A
INTERNAL RESISTANCE	Approx: 1.85mOhm (fully charged @25°C)		
TERMINAL	Female Copper Insert M8 (torque: 10~12N.m)		
SHORT CIRCUIT CURRENT	4300 A		
DESIGN LIFE (20°C)	8 years		
VOLTAGE	FLOAT CHARGE VOLTAGE		EQUALIZE CHARGE VOLTAGE
	6.8V – 6.9V 20°C~25°C Temperature Compensation: -3mV/°C/Cell		7.2V – 7.4V 20°C~25°C Temperature Compensation: -5mV/°C/Cell
OPERATING TEMPERATURE RANGE	DISCHARGE	CHARGE	STORAGE
	-25°C ~ 65°C	-20°C ~ 65°C	-15°C ~ 40°C
SELF DISCHARGE	Approx. 4% per month @ 20°C		
CONTAINER MATERIAL	SAN		

BATTERY DISCHARGE TABLE

CONSTANT CURRENT (A) AND CONSTANT POWER (WPC) DISCHARGE TABLE AT 25 °C

F.V / TIME		30 min	60 min	90 min	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr
1.60	A	324.00	198.00	144.91	62.97	44.86	30.61	45.87	37.35	21.32
	W	645.41	395.01	289.35	126.00	89.75	61.25	91.78	74.74	42.66
1.67	A	317.08	196.57	143.48	62.66	44.62	30.44	45.48	36.77	20.25
	W	631.93	392.17	286.55	125.48	89.44	61.02	91.20	73.73	40.61
1.70	A	314.31	195.13	143.33	62.50	44.51	30.44	45.03	36.31	19.17
	W	626.44	389.78	286.38	125.21	89.24	61.03	90.33	72.84	39.54
1.75	A	308.77	192.26	141.47	62.11	44.23	30.28	44.90	36.00	19.40
	W	615.85	385.00	282.94	124.41	88.73	60.73	90.14	72.27	38.95
1.80	A	301.85	190.83	140.47	61.72	43.99	30.19	44.52	35.42	18.76
	W	602.31	382.61	281.63	123.65	88.30	60.59	89.43	71.16	37.69
1.85	A	293.54	187.86	138.89	61.17	43.60	30.02	43.94	34.84	18.12
	W	586.15	377.42	279.16	122.60	87.60	60.32	88.35	70.06	36.44

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FINAL VOLTAGE SETTINGS RECOMMENDED ACCORDING TO THE DISCHARGE CURRENT

Discharge Current I (A)	$I \leq 0.08C$	$0.08C \leq I < 0.2C$	$0.2C \leq I < 0.6C$	$0.6C \leq I < 1.0C$	$I \geq 1.0C$
Final of Voltage	$\geq 1.85Vpc$	$\geq 1.80Vpc$	$\geq 1.75Vpc$	$\geq 1.70Vpc$	$\geq 1.60Vpc$