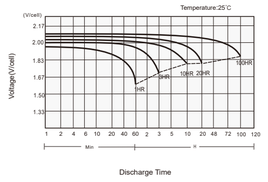
Specifications

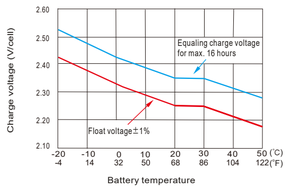
Model	Nomina Voltage (V)	Rated Capacity			Approx Dimension								Approx Weight (Kg)		Terminal type
					Length		Width		Height		Total Height				
		C3(Ah)	C8(Ah)	C10(Ah)	mm	in.	mm	in.	mm	in.	mm	in.	(Kg)	(lbs)	
2 OPzS100	2	77	99	100	103	4.06	206	8.11	355	14.0	410	16.1	13.2	29.1	T7-B(M10)
3 OPzS150	2	116	148	150	103	4.06	206	8.11	355	14.0	410	16.1	15.3	33.7	T7-B(M10)
4 OPzS200	2	154	198	200	103	4.06	206	8.11	355	14.0	410	16.1	17.4	38.4	T7-B(M10)
5 OPzS250	2	193	247	250	124	4.88	206	8.11	355	14.0	410	16.1	20.4	45.0	T7-B(M10)
6 OPzS300	2	231	297	300	145	5.71	206	8.11	355	14.0	410	16.1	23.8	52.5	T7-B(M10)
5 OPzS350	2	270	346	350	124	4.88	206	8.11	471	18.5	526	20.7	28.3	62.4	T7-B(M10)
6 OPzS420	2	324	415	420	145	5.71	206	8.11	471	18.5	526	20.7	32.7	72.1	T7-B(M10)
7 OPzS490	2	378	484	490	166	6.54	206	8.11	471	18.5	526	20.7	38.0	83.8	T7-B(M10)
6 OPzS600	2	463	593	600	145	5.71	206	8.11	646	25.4	701	27.6	45.4	100.1	T7-B(M10)
10 OPzS1000	2	771	989	1000	233	9.71	210	8.27	646	25.4	701	27.6	77.4	170.6	T7-B(M10)
12 OPzS1200	2	925.2	1186.4	1200	275	10.8	210	8.27	646	25.4	701	27.6	91.7	202.2	T7-B(M10)
12 OPzS1500	2	1156.5	1482.4	1500	275	10.8	210	8.27	796	31.3	851	33.5	113.8	250.9	T7-B(M10)
24 OPzS3000	2	2313	2965.6	3000	576	22.7	212	8.35	772	30.4	827	32.6	224.8	495.6	T7-B(M10)

Performance Characteristics

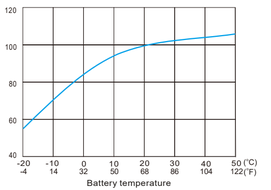
Discharge Characteristics



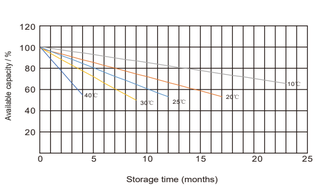
Charge Voltage vs Ambient Temperature Curve



Discharge Capacity vs Ambient Temperature Curve ($I_{10}A$)



Self Discharge Characteristics



VdS ISO14001 ISO9001 ISO45001

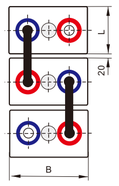
Electrical Specifications

Standby use	2.23~2.25V/cell(25°C)
Cycle use	2.40~2.45V/cell(25°C)
Charging current(max)	0.15CA
Temp.Coefficient	Standby use: -3mv/(°C/cell) Cycle use: -5mv/(°C/cell)

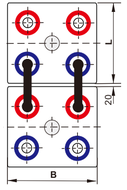
REASONABLE PRICE
RELIABLE QUALITY
TIMELY DELIVERY
FRIENDLY SERVICE

Connection

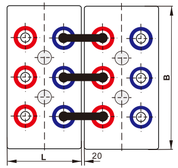
4 OPzS 200 ~ 6 OPzS 600



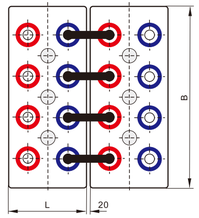
8 OPzS 800 ~ 12 OPzS 1500



16 OPzS 2000



20 OPzS 2500 ~24 OPzS 3000



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LB-Tubular-PB-EN-V3.2-202503

OPzV&OPzS
Reserve Power Solution

Long Life Tubular Plate

OPzV TUBULAR GEL BATTERY CHRACTERISTIC

Main Technical Advantages

- Completely sealed throughout the life of the battery.
- Service life up to 18-20 years in continuous float operation down to approx. 80% capacity.
- Gel electrolyte.
- Low gassing thanks to antimony-free alloy and internal oxygen recombination.
- Minimum space required, room requirements are minimal (e.g. No washing facilities needed), ventilation requirements are minimal.
- Easy to move and handle.
- Easy install using cable connectors with insulated terminal covers.
- Ready for immediate use without further commissioning work.
- Can be supplied as a standard vertical installation or by special request, for a horizontal installation.
- Very low self-discharge <50% of rated capacity in 2 years at 20°C ambient temperature.
- Deep discharge protected, a load can be connected to the battery for up to 4 weeks.
- No internal short circuits possible due to the gel structure.
- No acid stratification, so no equalizing charge necessary.

General Features

- Capacity 200 to 3000 AH.
- Virgin lead plates w/copper alloy terminal inserts (low resistance).
- Wider Operating Temperature: -20 to 55°C (-4 to 131°F).
- Solid ABS jars & covers (UL94V-0 Flame Retardant available).
- 100% initial capacity UL Recognized, IEC61427 Certified，& IATAA pproved for Air Freight.

Main Applications

- Telecommunications
- Radio and cellular telephone relay stations.
- Emergency lighting systems.
- Power stations,Conventional power stations,alternative power(solar, wind).
- Large UPS and computer back-up.
- Railway signaling.
- Maritime standby power on ships and ashore.
- Process and control engineering
- Standby power.
- Buoy lighting

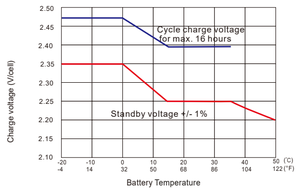



Specifications

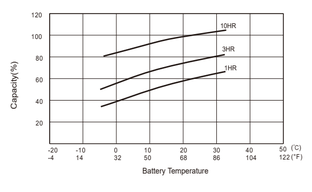
Model	Nomina Voltage (V)	Rated Capacity			Approx Dimension								Approx Weight (Kg)		Terminal type
					Length		Width		Height		Total Height				
		C3(Ah)	C8(Ah)	C10(Ah)	mm	in.	mm	in.	mm	in.	mm	in.	(Kg)	(lbs)	
4 OPzV200	2	156	194	200	103	4.06	206	8.11	355	14.0	390	15.4	18.8	41.4	T7-A(M8)
5 OPzV250	2	195	242	250	124	4.88	206	8.11	355	14.0	390	15.4	22.4	49.4	T7-A(M8)
6 OPzV300	2	234	290	300	145	5.71	206	8.11	355	14.0	390	15.4	26.4	58.2	T7-A(M8)
5 OPzV350	2	270	337	350	124	4.88	206	8.11	471	18.5	506	19.9	29.0	63.9	T7-A(M8)
6 OPzV420	2	324	405	420	145	5.71	206	8.11	471	18.5	506	19.9	34.5	76.1	T7-A(M8)
7 OPzV490	2	378	472	490	166	6.54	206	8.11	471	18.5	506	19.9	39.0	86.0	T7-A(M8)
6 OPzV600	2	456	574	600	145	5.71	206	8.11	646	25.4	681	26.8	48.0	105.8	T7-A(M8)
8 OPzV800	2	609	765	800	191	7.52	210	8.27	646	25.4	681	26.8	65.1	143.5	T7-A(M8)
10 OPzV1000	2	762	952	1000	233	9.17	210	8.27	646	25.4	681	26.8	78.5	173.1	T7-A(M8)
12 OPzV1200	2	915	1144	1200	275	10.8	210	8.27	646	25.4	681	26.8	93.0	205.0	T7-A(M8)
12 OPzV1500	2	1131	1424	1500	275	10.8	210	8.27	796	31.3	831	32.7	115.0	253.5	T7-A(M8)
16 OPzV2000	2	1506	1896	2000	399	15.7	214	8.43	772	30.4	807	31.8	155.0	341.7	T7-A(M8)
20 OPzV2500	2	1884	2376	2500	487	19.2	212	8.35	772	30.4	807	31.8	196.0	432.1	T7-A(M8)
24 OPzV3000	2	2262	2848	3000	576	22.7	212	8.35	772	30.4	807	31.8	232.0	511.5	T7-A(M8)

Performance Characteristics

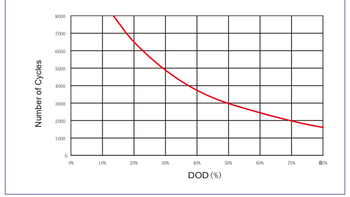
Charge Voltage vs Ambient Temperature Curve



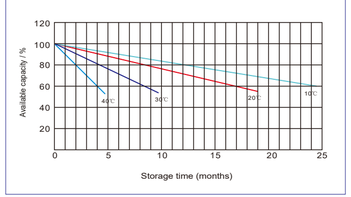
Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics



OPzS TUBULAR FLOODED BATTERY CHRACTERISTIC

Advantages

• Plates: Lead low-antimony positive plate can efectively prevent shedding of active material. The spines are casted by multi-alloy, of which the crystals are very fne and compact, in order to achieve excelent corrosion resistance and long cycle life. Negative flat plates are pasted plates with wavy construction, greatly improving the utilization rate of active material and high current discharge property. Also the charging acceptance ability is very good.

• Container: SAN transparent container, better corrosion resistance, higher strength, nice appearance People can directly see the internal construction and actual situation of batteries through SAN containers. Optional fiame retardant covers to UL94V-0

• Separator: Imported PVC-SiO2 separator from Amer-sil. a famous European company. This kind of separator has a large pore rate and lower electrical resistance.

• Terminal sealing: Lead pillar with copper insert has better current loading property and better corrosion resistance. Private sealing construction can effectively eliminate the stress caused by plate growth in later period of battery operation. This can prevent any leakage ensuring the reliability of pillar sealing greatly improving the service life of the battery.

• Anti-acid plug: Special funneled anti-acid plug can filter acid mist and is flame resistant. This is convenient for direct measuring the density and temperature of electrolyte. It is safe and easy to maintain.

General Features

- Lower self discharge.
- Higher thermal capacity, no thermal runaway will occur.
- Exceptional deep cycle performance.
- Wide operation temperature range.
- Long service life, designed life 15-20 years.

Main Applications

- Telecommunications.
- Radio and cellular telephone relay stations.
- Emergency lighting systems.
- Power stations, Conventional power stations,alternative power (solar, wind).
- Railway signalling.
- Maritime standby power on ships and ashore.
- Solar and Wind Turbine Energy Storage.
- Buoy lighting