HIGH PERFORMANCE

GERMANY TECHNOLOGY
8 OPzS 800
(2V-910AH @ C10)

Specifications

- 20 years design life @ 25°C(77°F).
- The active material is manufactured from best purity lead (99.994%) to minimize the negative effects of impurities.
- Very high operationally reliability under rough operating conditions.
- Low maintenance due to adopt latest low antimony technology.
- in the alloy and high electrolyte reserve.
- Nominal capacity 50–3500 Ah C10, tailor solution model up to 15000AH available on request.
- Also designed for cyclic applications.
- available in dry charged condition with separate electrolyte.
- Low gassing due to PbSb1.6SnSe alloy (EN 50272-2).
- High antimony alloy also available on request.
- Conforms to DIN 40736 and DIN 40737 T3.
- Electrolyte: diluted sulphuric acid ρ = 1.24~1.25 kg/l.

Applications

- Telecommunications
- Emergency lighting
- Photovoltaics
- Power generation plants
- Microwave radio systems

PROVEN HIGH RELIABILITY ENERGY STORAGE FOR CRITICAL APPLICATION

Innovative Features

- **Tubular positive plates:** EverExceed™ robust tubular plates consisting of a lead antimony alloy, optimized for high corrosion resistances.
- **Pasted negative plates:** EverExceed™ grid plate construction consisting of low antimony with long-life expander material.
- **Separators:** Microporous and robust, for electrical separation of the positive and negative plates and optimized for low internal resistance.
- **Container:** High impact, transparent SAN (Styrol-Acryl-Nitril).
- **Safety Vents:** Cells incorporate flame retardant ceramic plugs that filter out any drops of electrolyte from the escaping gases preventing any errant spark or flame from entering the battery.
- **Poles:** Screw connection for easy and safe assembly and maintenance-free connection with excellent conductivity.
- **Post seals:** Extremely high integrity post seal design to prevent electrolyte leakage and terminal corrosion.
- **Connectors:** Flexible, fully insulated cable connectors screwed to the terminal with an insulated screw having a probe hole on the top for electrical measurement.
- Proprietary Fixed Orifice Plate Pasting technology applying active materials on both sides of the grid for consistent cell-to-cell performance, higher capacity and uniform grid protection.

Standard and Compliance

- DIN 40736 part 1
- DIN 40737 part 2
- IEC 60896-1
- UL1989

Intertek UL 1989

EverExceed | Empower, Energize, Exceed the Energy you Expect forever
www.exerexceed.com

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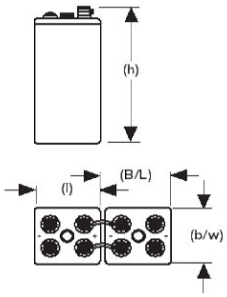
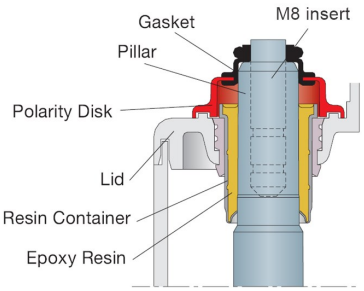
Tubular OPzS Range

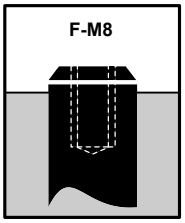
EverExceed®
power your applications



Dimension figure



High Reliability Post Seal



11 Nm

Container: SAN (acrylonitrile polystyrene), UL 94 V-0 standard

Tubular OPzS Range Electrical Specifications & Dimensions

Part number	DIN Type	Nom. Voltage (V)	C8 AH to 1.75VPC	C10 AH to 1.80VPC	C100 AH to 1.80VPC	Outline Dimensions (mm)					Weight With acid (kg)	Acid Weight (kg)	Pole Pairs	Internal Resist. acc. to IEC 896-2 (mΩ)	Short Circuit Current	Termi-nal
						Length (l)	Width (b/w)	Height (h)	Height (h2)	In-stalled Length (B/L)						
2TS080800	8 OPzS 800	2	896	910	1204	210	191	646	701	220	61.0	17.5	2	0.55	6800	F-M8

Acid density ρ = 1.240 kg/l

Tubular OPzS Range Discharge Data Amperes at 25°C

End Point Volts/Cell	Discharge Time in Minutes					Discharge Time in hours								
	5 min	10 min	15 min	20 min	30 min	1 hour	1.5 hour	2 hour	3 hour	4 hour	5 hour	8 hour	10 hour	20 hour
1.90	383	376	359	347	320	276	239	211	169	144	127	93.2	79.2	43.8
1.87	420	411	391	376	347	297	257	226	180	153	134	98.1	83.3	45.8
1.85	457	446	422	405	373	318	275	241	191	161	141	103	87.4	47.8
1.83	505	493	464	443	407	342	292	255	199	166	145	105	88.8	48.7
1.80	572	564	528	501	457	378	319	277	211	175	152	108	91.0	50.1
1.75	703	677	630	592	534	430	353	303	226	184	157	112	92.8	51.4
1.70	824	785	728	678	606	471	379	322	237	190	160	114	94.6	52.3
1.65	945	890	824	760	673	502	399	335	244	194	162	117	95.6	52.8

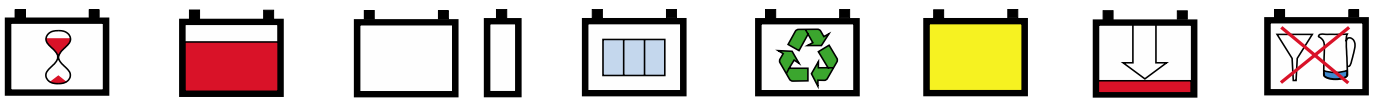
Tubular OPzS Range Discharge Data Watts at 25°C

End Point Volts/Cell	Discharge Time in Minutes					Discharge Time in hours								
	5 min	10 min	15 min	20 min	30 min	1 hour	1.5 hour	2 hour	3 hour	4 hour	5 hour	8 hour	10 hour	20 hour
1.90	614	614	594	582	540	478	418	375	310	269	243	180	153	87.1
1.87	753	743	710	687	635	551	480	425	343	294	261	192	164	91.6
1.85	845	829	787	756	699	599	521	459	366	310	274	201	171	94.6
1.83	918	908	857	819	754	639	551	483	380	318	281	205	173	96.2
1.80	1040	1025	961	913	837	700	596	520	400	333	292	210	177	98.6
1.75	1230	1200	1120	1055	960	786	654	566	425	348	301	216	180	101
1.70	1405	1355	1265	1185	1070	851	696	598	444	358	305	219	183	102
1.65	1565	1495	1395	1295	1165	895	726	617	456	365	307	222	185	103

Long Duration Discharge Capacity (Ah) at 25°C

Part No.	DIN Type	End Point Volts/Cell	C_{24}	C_{48}	C_{72}	C_{96}	C_{100}	C_{120}	C_{240}
2TS080800	8 OPzS 800	1.85	1004	1104	1185	1190	1192	1195	1210
		1.80	1014	1115	1197	1202	1204	1207	1222

Actual battery performance data may be +/-5% of figures shown above.



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