



GERMANY TECHNOLOGY
4 OPzS 200
(2V-214AH @ 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 $\rho = 1.24\sim 1.25$ kg/l.

Applications

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

PROVEN HIGH RELIABILITY ENERGY STORAGE FOR CRITICAL APPLICATION

HIGH PERFORMANCE

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



EverExceed | Empower, Energize, Exceed
the Energy you Expect forever

www.exerexceed.com



Headquarter:

Shenzhen EverExceed Industrial Co., Ltd

📍 Floor 19, Kechuang Building Hengchangrong High TechPark, Dezheng Road, Shiyan Bao'an District, Shenzhen.

🌐 www.everexceed.com

✉ marketing@everexceed.com

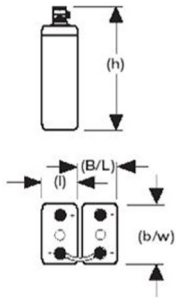
Branch Company:

EverExceed International Company Limited (HK)

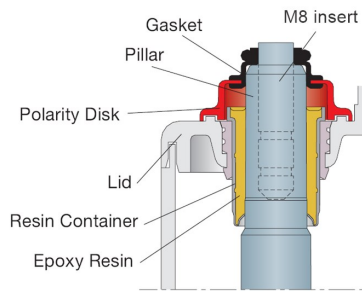
📍 19H Maxgrand Plaza No3 Tai Yau St San PO Kong KLN Hongkong
✉ info@everexceed.com

EverExceed Corporation Ltd. (UK)

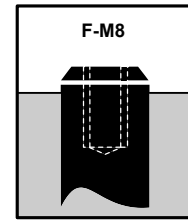
📍 Unit G25 WaterFront Studios, 1 Dock Road, London, United Kingdom
✉ Europe@everexceed.com



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	Terminal
						Length (l)	Width (b/w)	Height (h)	Height (h2)	Installed Length (B/L)						
2TS040200	4 OPzS 200	2	214	214	294	103	206	355	409	113	17.0	4.00	1	0.90	2450	F-M8

Acid density $\rho = 1.240 \text{ kg/l}$

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	128	127	119	112	102	80.1	66.9	57.4	45.1	37.1	31.6	22.5	18.7	10.1	
1.87	141	139	129	122	110	85.2	71.0	60.8	47.7	39.1	33.3	23.6	19.7	10.6	
1.85	153	150	139	131	118	90.3	75.0	64.1	50.2	41.0	34.9	24.6	20.6	11.0	
1.83	171	166	153	143	126	94.7	78.0	66.4	52.0	42.4	36.0	25.0	20.9	11.3	
1.80	199	190	174	161	140	101	82.5	69.9	54.6	44.4	37.6	25.6	21.4	11.8	
1.75	243	226	205	186	158	109	87.2	73.5	57.1	46.3	39.1	26.7	22.1	12.1	
1.70	284	258	229	206	172	115	90.3	75.2	58.6	47.3	39.7	26.9	22.3	12.2	
1.65	322	286	249	222	182	118	92.0	76.4	59.4	47.7	40.1	27.0	22.4	12.3	

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	207	207	198	187	176	145	122	106	84.5	70.4	60.9	44.3	36.1	20.1	
1.87	252	250	235	222	203	160	134	116	91.5	75.6	65.0	46.5	38.6	21.1	
1.85	283	279	260	245	220	170	142	122	96.1	79.1	67.6	48.0	40.3	21.8	
1.83	313	306	283	264	235	177	147	126	99.1	81.4	69.5	48.7	40.9	22.4	
1.80	359	346	317	294	256	188	154	131	103	84.8	72.3	49.7	41.7	23.2	
1.75	427	401	365	332	285	200	161	137	108	87.7	74.7	51.6	42.8	23.7	
1.70	485	445	398	359	304	207	166	139	110	89.1	75.6	51.8	43.1	23.8	
1.65	536	481	423	379	315	211	167	141	111	89.7	76.1	51.8	43.1	23.8	

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
2TS040200	4 OPzS 200	1.85	258	276	288	290	291	293	304
		1.80	261	279	291	293	294	296	307

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



EverExceed | Empower, Energize, Exceed
the Energy you Expect forever

www.exerexceed.com



Headquarter:

Shenzhen EverExceed Industrial Co., Ltd

Ⓜ Floor 19, Kechuang Building Hengchangrong High TechPark, Dezheng Road, Shiyao Bao'an District, Shenzhen.

🌐 www.exerexceed.com

📧 marketing@everexceed.com

Branch Company:

EverExceed International Company Limited (HK)

Ⓜ 19H Maxgrand Plaza No3 Tai Yau St San PO Kong KLN Hongkong
📧 info@everexceed.com

EverExceed Corporation Ltd. (UK)

Ⓜ Unit G25 WaterFront Studios, 1 Dock Road, London, United Kingdom

📧 Europe@everexceed.com