Tubular OPzS Range

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GERMANY TECHNOLOGY

12V 3 OPzS 150 AH

Specifications:

Very high operationally reliability under rough operating conditions.

Low maintenance due to reduced antimony in the alloy and high electrolyte reserve.

20 years at 20°C (80% remaining capacity from C10).

Also designed for cyclic applications.

Also available in dry charged condition with separate electrolyte.

Low gassing due to PbSb1.6SnSe alloy (EN 50272-2).

Conforms to DIN 40 736 and DIN 40 737 T3.

Electrolyte: diluted sulphuric acid dN = 1.25 kg/l.

Optimized plate design produces increased capacities compared to DIN.

Completely recyclable.

Applications

Telecommunications

Emergency lighting

Microwave radio systems

Power generation plants

Photovoltaics

Features:

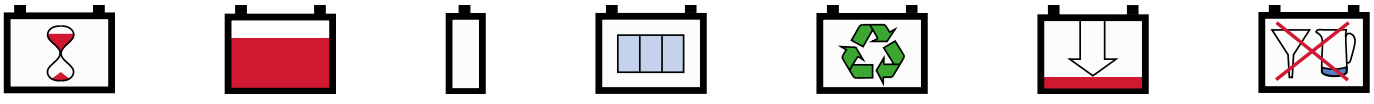
- Tubular positive plates: Robust tubular plates consisting of a lead antimony alloy, optimized for high corrosion resistances.
- Pasted negative plates: Grid plate construction consisting of low antimony with long-life expander material.
- Separators: Microporous and robust, for electrical separation 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.

Standard and Compliance

DIN 40736 part 1

DIN 40737 part 2

IEC 896 part 1



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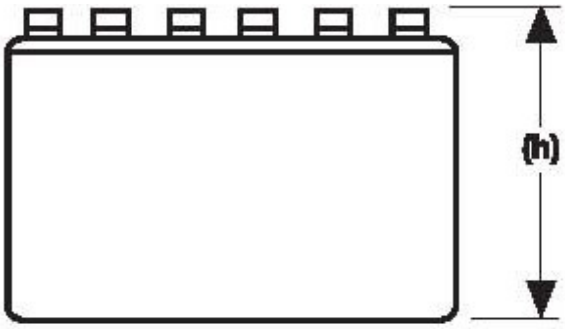
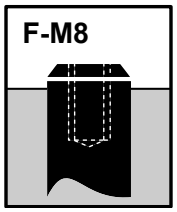
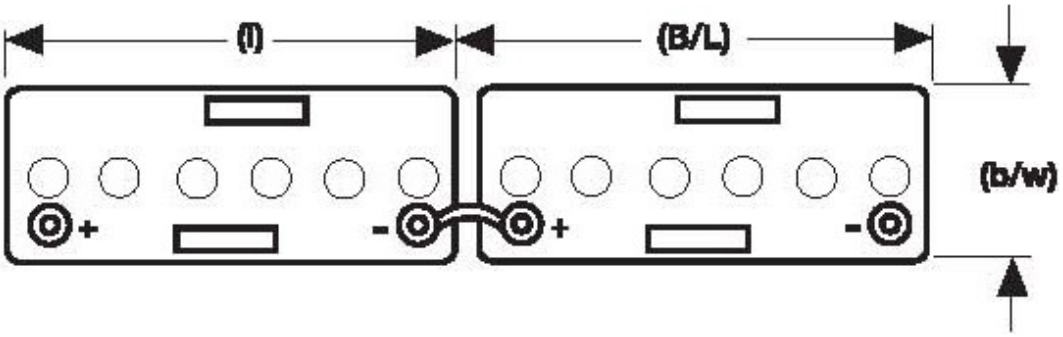


Container: SAN



20 Nm



Tubular OPzS Range block Electrical Specifications & Dimensions

Part number	DIN Type	Nom. Voltage (V)	C8 AH to 1.75VPC	C10 AH to 1.80VPC	Outline Dimensions (mm)				Weight With acid (kg)	Acid Weight (kg)	Pole Pairs	Internal Resist. acc. to IEC 896-2 mOhms	Short Circuit Current	Terminal
					Length (l)	Width (b/w)	Height (h)	Installed Length (B/L)						
12TS03150	12V 3 OPzS 150	12	155	150	383	208	385	393	64	19	1	6.46	1900	F-M8

Acid density d_N = 1.250 kg/l

Tubular OPzS Range block Discharge Data Amperes at 20°C

End Point Volts/Cell	Discharge Time in Minutes				Discharge Time in hours							
	5 min	10 min	15 min	30 min	1 hour	2 hour	3 hour	4 hour	5 hour	6 hour	8 hour	10 hour
1.90	99.0	84.0	76.0	64.0	47.2	34.1	26.4	22.3	19.7	17.7	14.6	12.0
1.87	120	102	90.0	75.0	55.0	39.5	30.0	25.4	22.0	19.8	16.4	13.8
1.85	130	112	103	81.0	59.8	42.0	31.5	27.1	23.0	20.7	17.1	14.2
1.83	140	122	115	87.0	64.6	44.4	33.4	28.3	24.1	21.6	17.9	14.6
1.80	160	135	120	95.0	70.4	47.1	36.0	29.8	25.7	22.7	18.5	15.0
1.75	185	155	136	102	73.4	50.0	37.5	31.2	27.0	24.0	19.4	15.7
1.70	229	186	163	118	82.0	52.6	39.0	32.2	28.5	25.2	20.1	16.2
1.67	231	188	165	119	82.8	53.1	39.4	32.5	28.8	25.5	20.3	16.4

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