Railway Batteries - Low mainte

MICROTEX®
Rail - Power LM

Batteries in Hard rubber/PPCP-FRP Tray
For Train Lighting & Air conditioning, Diesel Locomotives & Diesel Electric Locomotives, Electric locomotives, EMU, Signalling and Traction distribution applications.

Stationary cells (Signalling & Telecommunication)

Diesel Loco Batteries (HR/FRP)

Train lighting AC Coach Batteries

Electric Loco & EMU Batteries

Train lighting Batteries

Low Maintenance Tubular Plate Batteries

www.microtexindia.com

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Microtex is a leading manufacturer of Industrial Batteries in Bangalore, India. The factory has a covered area of 26700 Sq ft on 5 acres of land, with 300 trained people. Established 45 years ago it is a company well known for its high quality. Microtex produces in house, the specially designed lead alloys, lead oxides, grid castings, pasted plates, injection molded containers, multi-tubular gauntlets, separators and produces the complete battery using state of the art industry standard battery making machinery. The Company started producing Industrials Batteries in the seventies for applications like Traction, Signaling, Train lighting, EMU and Diesel-Electric Locomotives Batteries for Indian Railways.

Advantages of using Low Maintenance Tubular Plate Rail Power Batteries.

FEATURES	ADVANTAGES
Special low Antimony Selenium grid alloy	Reduced watering requirements
Thicker spines for Positive Tubular plates	Cast at 150 bar ensures better compression and packing of lead ensuring long cycle life
High Impact Monoblock Hard Rubber/PPCP Containers and cell lids in FRP Tray	Resistant to breakage and leakage under Severest operating conditions.
Micro porous Ceramic Vent plugs	Prevents emission of acid spray and the risk of external corrosion
Hardened, Lead-alloy Pillar terminal posts	Provide better conductivity and tighter Connections requiring less maintenance
Factory Preformed Plates	For reliable performance and no excess cycling of the cells required in the field to reach rated capacity-saves money and time for users

Tested and approved Batteries as per RDSO Specifications:
Supply to Indian Railways since 1991.

The Company is ISO 9001:2008 and ISO 14001:2004 certified

Low Maintenance Tubular Plate Batteries

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MICROTEX®

TECHNICAL DATA - MICROTEX TL and AC Cells/Batteries

Cell/Battery Type	Material Of Container /Lid	Capacity in Ah at 27°C 10Hr	Overall Dimension in mm			Cell/Battery Weight (appx.) Kgs.		Electrolyte Qty (Appx.) in Litres per cell	Initial filling Electrolyte Specific Gravity	Charging Current		
			L ± 5 mm	W ± 5 mm	H ± 10 mm	Without Electrolyte	With Electrolyte			Initial Charging rate (Amps)	Initial No. of Hrs. Charging	Normal Charging rate (Amps)
6VT 120 PP	PPCP	120	453	178	380	23.22	42	5.0	1.205	6	70	15
T210MH	HR	210	260	185	355	19.5	29.5	6.6	1.240	15	75	21
Mi 525	PPCP	525	385	174	495	32	54.3	18	1.240	26	75	52.5
Mi 8	PPCP	800	385	174	495	44	66	17.5	1.240	40	75	80
Mi8 450 TL	HR	450	720	220	465	134	168.7	7.0	1.240	22.5	75	45

Note :

H -Height is upto Terminal | HR -Hard Rubber | PPCP- Poly Propylene Copolymer

All cells/Batteries are supplied in dry un charged condition | The electrical characteristics are nominal indicative value and can vary within ±5.0%.

In case of cells/batteries in Dry and Uncharged condition the intial filling and charging is to be carried out as per the parameters mentioned in Technical data sheet

TECHNICAL DATA - MICROTEX Electric Locomotive and EMU Batteries

Battery Type	Material Of Container /Lid	Capacity in Ah at 27°C 10Hr	Overall Dimension in mm			Battery Weight (appx.) Kgs.		Electrolyte Qty (Appx.) in Litres per cell	Initial filling Electrolyte Specific Gravity	Charging Current		
			L ± 5 mm	W ± 5 mm	H ± 5mm	Without Electrolyte	With Electrolyte			Initial Charging rate (Amps)	Initial No. of Hrs. Charging	Normal Charging rate (Amps)
Mi 10 75 LM	PPCP	75	356	220	365	25.67	41.00	2.6	1.240	5.0	75	7.5
Mi 10 90 LM	PPCP	90	356	220	365	27.03	42.00	2.4	1.240	6.0	75	9.0

Note :

H -Height is upto Terminal | PPCP - Poly Propylene Copolymer

All Batteries are supplied in dry un charged condition | The electrical characteristics are nominal indicative value and can vary within ±5.0%.

In case of cells/batteries in Dry and Uncharged condition the intial filling and charging is to be carried out as per the parameters mentioned in Technical data sheet

TECHNICAL DATA - MICROTEX Diesel Locomotive Batteries

Battery Type	Material Of Container /Lid	Capacity in Ah at 27°C 10Hr	Overall Dimension in mm			Battery Weight (appx.) Kgs.		Electrolyte Qty (Appx.) in Litres per cell	Initial filling Electrolyte Specific Gravity	Charging Current		
			L ± 5 mm	W ± 5 mm	H ± 5mm	Without Electrolyte	With Electrolyte			Initial Charging rate (Amps)	Initial No. of Hrs. Charging	Normal Charging rate (Amps)
Mi8 500 /8V 500Ah	PPCP/FRP	500	723	200	497	116	153	7.0	1.240	25.0	75	50.0
Mi8 450 P 8V 450Ah LM	PPCP/FRP	450	722	208	465	113	145	7.5	1.240	22.5	75	45.0
8VT 450 MH	MHR	450	715	210	455	120	155	6.5	1.240	23.0	75	45.0
8VT 450MH - LM	MHR	450	720	220	465	120	155	7.0	1.240	22.5	75	45.0
8VT 290MH - LM	MHR	290	715	210	455	97	130	7.0	1.240	15.0	75	29.0

Note :

H -Height is upto Terminal | MHR -Monoblock Hard Rubber | PPCP/FRP - Poly Propoylene Copolymer cells in Fibre reinforcedTray

All Batteries are supplied in dry un charged condition | The electrical characteristics are nominal indicative value and can vary within ±5.0%.

In case of cells/batteries in Dry and Uncharged condition the intial filling and charging is to be carried out as per the parameters mentioned in Technical data sheet

Low Maintenance Tubular Plate Batteries

Railway Batteries - Low maintenance

MICROTEX®
Rail Power- LM

TECHNICAL DATA - MICROTEX Stationary Cells

Cell Type	Material Of Container	Capacity in Ah at 27°C 10Hr	Overall Dimension in mm			Cell Weight (appx.) Kgs.		Electrolyte Qty 1.190 Sp. Gr. (Appx.) in Litres	Charging Current			
			L ±	W ±	H ±	Without Electrolyte	With Electrolyte		Initial Charging rate (Amps)	Initial No. of Hrs. Charging	Normal Charging rate (Amps)	Equalizing Charging rate (Amps)
			5 mm	5 mm	10 mm							
T40H LM	HR	40	98	165	255	4.7	6.85	1.4	4	40	4	1.2
T80H LM	HR	80	110	165	355	7.65	10.3	2.8	5	70	8	2.4
T100H LM	HR	100	170	145	355	10.5	15.3	4	5	80	10	3
T120H LM	HR	120	170	145	355	10.5	15.3	4	6	80	12	3.6
T150H LM	HR	150	260	185	355	15	24	7.5	7.5	80	15	4.5
T200H LM	HR	200	260	185	355	20	26	6.6	15	65	20	6
T250H LM	HR	250	260	208	390	26	38.5	10.5	12.5	80	25	7.5
T300H LM	HR	300	260	208	390	28.5	40.1	9.75	15	80	30	9
T400H LM	HR	400	260	208	417	33	44.9	10	20	80	40	12
T500H LM	HR	500	260	208	478	39.5	53.18	11.5	25	80	50	15
T600P LM	PPCP	600	385	174	495	36	50	13	30	80	60	16
T800P LM	PPCP	800	385	174	495	52	66	17.25	40	80	80	24
T1000P LM	PPCP	1000	415	172	515	63	85	19	50	80	100	30

Note :

HR -Hard Rubber PPCP- Poly Propylene Copolymer

All cells are supplied in dry un charged condition The electrical characteristics are nominal indicative value and can vary within ±5.0%.

In case of cells/batteries in Dry and Uncharged condition the intial filling and charging is to be carried out as per the parameters mentioned in Technical data sheet

TECHNICAL DATA - MICROTEX Traction Distribution Cells

Cell Type	Material Of Container /Lid	Capacity in Ah at 27°C 10Hr	Overall Dimension in mm			Cell Weight (appx.) Kgs.		Electrolyte Qty (Appx.) in Litres per cell	Initial filling Electrolyte Specific Gravity	Charging Current				
			L ±	W ±	H ±	Without Electrolyte	With Electrolyte			Initial Charging rate (Amps)	Initial No. of Hrs. Charging	Normal Charging rate (Amps)	Equalizing Charging rate (Amps)	Cell center to center Distance in mm
			5 mm	5 mm	10 mm									
T 40H-LM	HR	40	98	165	255	4.75	7.2	2	1.205	4	50	5	1.2	117
T 200-LM	HR	200	260	184	355	20.5	29.5	7.2	1.205	15	70	20	6	197
T120H LM	HR	120	145	170	355	10.5	15.3	4	1.205	6	80	12	3.6	155
T320H LM	HR	320	260	208	390	28.5	40.1	9.75	1.205	16	80	32	10	235
T400H LM	HR	400	260	208	417	33	44.9	10	1.205	20	80	40	12	235

Note :

H -Height is upto Terminal HR -Hard Rubber

All cells are supplied in dry un charged condition The electrical characteristics are nominal indicative value and can vary within ±5.0%.

In case of cells/batteries in Dry and Uncharged condition the intial filling and charging is to be carried out as per the parameters mentioned in Technical data sheet

Microtex - RDSO Approved products range

6volts 120Ah in Heat sealed Monoblock PPCP Container and lid
2volts 210Ah in Moulded Hard Rubber container and lid
2volts 800Ah in Heat sealed PPCP Container and lid
2volts 525Ah in Heat sealed PPCP Container and lid
8volts 450Ah in Monoblock Hard Container and lid
2V 40 Ah to 500 Ah in Hard Rubber container and lid
110volts 40Ah in Hard Rubber container and lid
110volts 200Ah in Hard Rubber container and lid
8volts 450Ah in Heat sealed PPCP Container and lid cells in FRP Tray
8volts 500Ah in Heat sealed PPCP Container and lid cells in FRP Tray
8volts 290Ah in Monblock Hard rubber container
10volts 75Ah in Heat sealed PPCP Container and lid
10volts 90Ah in Heat sealed PPCP Container and lid

Manufactured By

Mysore Thermo Electric (P) Ltd.,

62 & 36, 4th Main, 3rd Phase, Peenya Industrial Area, Bangalore - 560 058, India
Tel : + 91 80 2839 2380, Fax : +91 80 28394417, 080 2839 7243
info@microtex.in www.microtexindia.com


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