

6 Volts 165Ah to 196Ah
8 Volts 115Ah to 140Ah
12 volts 32Ah to 140Ah



Microtex is a leading manufacturer of Industrial Batteries in Bangalore, India. The factory has a covered area of 26,700 Sq ft on 5 acres of land, with 300 committed persons. Established 1969, 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, PVC Separators and produces the complete battery using state of the art industry standard battery making machinery.

Estd. 1969 as manufacturers of PVC separators & Pluri Tubular Gauntlets
 1977- 1991 Export of Traction Batteries to USSR
 1985- 1994 Flooded Batteries for Telecom
 1994 Railroad & Signaling Batteries
 2004 Flooded Tubular & Flat plate UPS batteries
 2006 Injection Molded Containers & Covers
 2005 VRLA AGM Telecom cells
 2006 Heat Sealed Traction cells
 2008 OPzS Stationary Batteries
 2009 Tubular Plate Gel cells for Telecom
 2009 Design & Development of Submarine Cells
 2009 Refining & Alloying of Lead
 2016 Modernization of Plant with state of art Machineries-PDC, Filling stations and Formation
 2017 Modernization of PT Bags Machinery-High Speed IteMa Rapier Weaving machines

Charging instructions

Charger Voltage Settings at 27°C

System Voltage	6 V	8 V	12 V
Boost Charge	7.35	9.88	14.70
Float Charge	6.75	9.00	13.50
Normal Charge	8.01	10.68	16.02

Charging Temperature Compensation

Add 0.005 volt per cell for every 1 °C below 27°C
 Subtract 0.005 volt per cell for every 1 °C above 27°C

Operational Data

Operating Temp. -20°C below 55°C
 At Temp. below 0°C maintain a State of charge > 60%

Self-Discharge

2 - 10 % Per month depending on storage Temp.
 Conditions

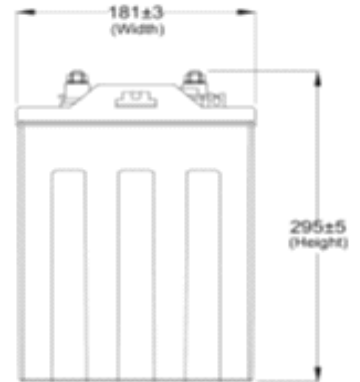
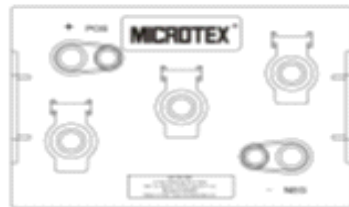
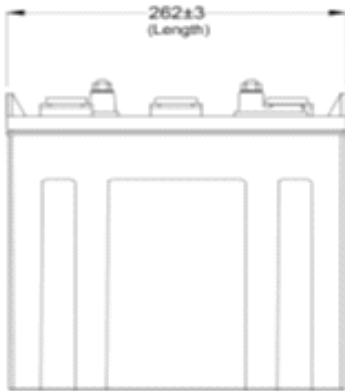
State of Charge Measure of Open Circuit Voltage

% of Charge	Specific Gravity	6 Volt	8 Volt	12 Volt
100	1.280	6.36	8.48	12.72
90	1.260	6.31	8.41	12.62
80	1.240	6.26	8.34	12.52
70	1.220	6.20	8.27	12.40
60	1.195	6.13	8.17	12.26
50	1.170	6.06	8.08	12.12
40	1.150	5.99	7.98	11.98
30	1.125	5.92	7.89	11.84
20	1.100	5.84	7.78	11.68

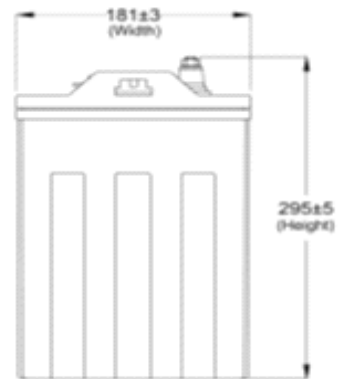
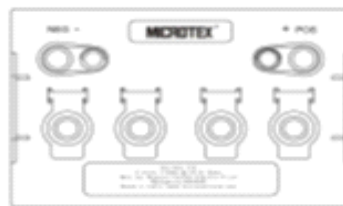
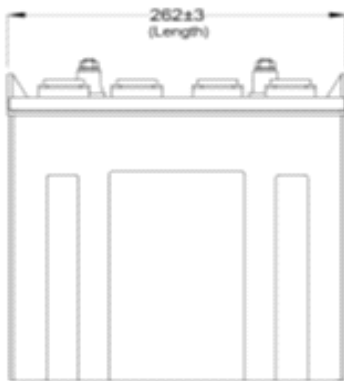
The company is ISO 9001:2015 and ISO 14001:2015 certified

Semi Traction Batteries

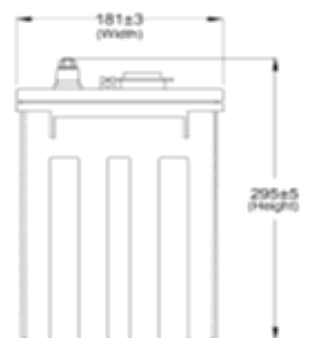
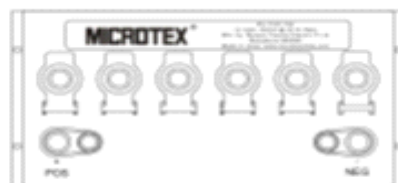
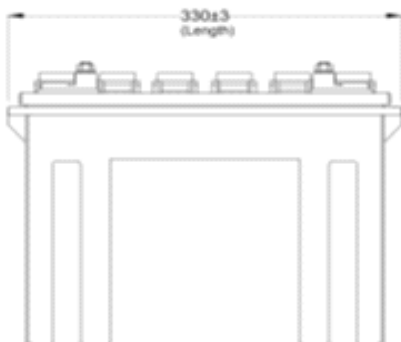
6volts ST Batteries



8volts ST Batteries



12volts ST Batteries



Special Features:

- ❖ Special Antimonial alloys for good cycle life and low maintenance.
- ❖ Tubular spine grids casted at 100 bars High Pressure die casting on German technology machines, for high compacted & corrosion resistant grids.
- ❖ Proprietary chemical mixes for added service life.
- ❖ Heavy duty custom made separators.
- ❖ Heat sealed to eliminate container leakage.
- ❖ Available in wide range of 6, 8 & 12 volts configurations.

MICROTEX SEMI TRACTION TUBULAR PLATE BATTERIES									
Battery Type	Material of Container	Voltage	Capacity in Ah at 30°C 5Hr	Overall Dimension in mm			Battery Weight (appx.) Kgs.		Electrolyte Qty 1.250 Sp. Gr. (Appx.) in Liters
				L ±	W ±	H ±	Without Electrolyte	With Electrolyte	
				5 mm	5 mm	10 mm			
STST 12V32P	PPCP	12	32	303	170	240	15.2	20.3	4.3
STST 12V48P	PPCP	12	48	410	173	245	21.0	27.3	5.3
STST 12V64P	PPCP	12	64	510	220	255	24.0	38.5	12.1
STST 12V80P	PPCP	12	80	510	220	255	33.0	42.6	8.0
STTT 12V96P	PPCP	12	96	510	194	410	34.2	61.2	22.5
STTT 12V104P	PPCP	12	104	510	194	410	37.0	62.8	25.8
STTT 12V128P	PPCP	12	128	510	194	410	45.6	72.0	22.0
STJT 12V96P	PPCP	12	96	510	220	293	35.6	48.4	10.7
STJT 12V104P	PPCP	12	104	510	220	255	42.6	55.4	10.7
STJT 12V140P	PPCP	12	140	518	274	293	51.0	70.0	15.8
STGT6V165P	PPCP	6	165	262	181	295	23.0	29.0	4.8
STGT6V180P	PPCP	6	180	262	181	295	25.0	31.0	4.8
STGT6V196P	PPCP	6	196	262	181	295	26.0	33.0	5.5
STGT8V115P	PPCP	8	115	262	181	295	22.0	28.0	4.8
STGT8V128P	PPCP	8	128	262	181	295	24.5	31.0	5.1
STGT8V140P	PPCP	8	140	262	181	295	26.5	33.0	5.1
STGT12V120P	PPCP	12	120	330	181	295	31.4	39.4	6.3

Note:

PPCP- Poly Propylene Copolymer

All batteries are supplied in charged condition

The electrical characteristics are nominal indicative value and can vary within ±5.0%.

In case of batteries in Dry and Uncharged condition the initial filling and charging is to be carried out as per the parameters mentioned in Instruction Manual

STST Semi Traction in Short Container

STTT Semi Traction in Tall Container

STJT Semi Traction in Jumbo Container

STGT Semi Traction in GC Container

Manufactured by

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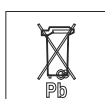
www.microtexindia.com



Read instruction Manual



Completely recyclable



Hand over to authorised MOEF recyclers



Protect eyes from electrolyte



Electrical Hazard

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