

Guaranteed Technical Particulars

Doc.No: M/GTP/Traction Power/48V 560Ah

MICROTEX[®]

Battery Particulars

· Manufacturer's name & Address	: Microtex Energy P. Ltd. #42 & 43, 2nd Main, 2nd Phase, Peenya Industrial Area, Bangalore – 560058
· Battery Type	: Microtex Traction Power Lead Acid Tubular Battery
· Battery Rating	: 48V-560Ah to 1.70 ECV @ C5 at 30°C
· Manufacturers Model No	: 4 MIPzS 560
· No of Cells	: 24 Nos.
· Cell dimensions	: 83x198x715 mm
· Battery bank dimensions	: 1028x570x780 mm

Charge Regime

	: Batteries shall be charged in constant potential mode with current limit.
· Normal charging Current	: 56 Amps
· Maximum charging Current	: 112 Amps
· Recommended Voltage Compensation	: For every 1°C raise in temperature reduce the float voltage by 0.003VPC

Product Details

· Self Discharge/month @ 27°C	: 2% of rated capacity
· Operational Temperature	: -20°C to 45°C, Recommended 10°C to 35°C Short Time 45°C to 55°C
· Recommended Max period of storage	: 6 Months from the date of manufacturing and the batteries shall be stored in covered area at 27°C
· Material of container	: Polypropylene co-polymer Fire Retardant
· Type of separator	: Polyethylene(PE)
· Type of +ve & -ve plates	: Positive: Tubular Negative :Flat pasted
· Material of tray	: Mild steel coated with acid resistant powder coating
· Method of connection between cells	: welded
· Voltage ripple allowable	: < 2% of the RMS Value
· Type of connectors	: Lead inter cell connector
· Depth of Discharge	: Max. 80% at 30 Deg C

Applicable Standards

· Batteries generally conforms to:	: IS 5154 (Part 1) 2013
	: IEC 60254-1:2005
	: IEC 254-2
	: EN 60 254-2

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