



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS TEST AND DEVELOPMENT CENTRE, B-108, INDUSTRIAL AREA, PHASE-8, MOHALI, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5465

Validity 24/03/2025 to 23/03/2029

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Testing				
1	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage up to and Including 1100V)	Tensile Strength and Elongation at break (for Insulation and Sheath)	IS 7098 (Pt 1): IS 5831: IS 10810 (Pt 7):1984
2	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage up to and Including 1100V)	Tensile Test (for Aluminum)	IS 7098 (Pt 1), IS 8130, IS 10810 (Pt 2):
3	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage up to and Including 1100V)	Aging in Air Oven (for Insulation and Sheath)	IS 7098 (Pt 1), IS 5831 IS 10810 (Pt 11):1984
4	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage upto and Including 1100V)	Flammability Test	IS 7098 (Pt 1):, IS 10810 (Pt 53):1984, IS 694:2010, IS 1554 (Pt 1)
5	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage upto and Including 1100V)	Heat Shock Test	IS 7098 (Pt 1), IS 5831:1984 IS 10810 (Pt 14):1984
6	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage upto and Including 1100V)	High Voltage Test	IS 7098 (Pt 1), IS 10810 (Pt 45):, IS 1554 (Pt 1):1988
7	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage upto and Including 1100V)	Insulation Resistance Test / Insulation Resistance Constant / Volume Resistivity	IS 7098 (Pt 1):, IS 10810 (Pt 43):, IS 1554 (Pt 1):1988 IS 5831
8	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage upto and Including 1100V)	Resistance Test	IS 7098 (Pt 1), IS 8130: IS 10810 (Pt 5)
9	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage upto and Including 1100V)	Resistance Test	IS 7098 (Pt 1), IS 8130:2013 IS 10810 (Pt 5)
10	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage upto and Including 1100V)	Shrinkage Test (for Insulation and Sheath)	IS 7098 (Pt 1), IS 5831:1984 IS 10810 (Pt 12)
11	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage upto and Including 1100V)	Thermal Stability Test	IS 7098 (Part 1), IS 5831:IS 10810 (Part 60)
12	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage upto and Including 1100V)	Thickness of Insulation and Sheath	IS 7098 (Pt 1), IS 10810 (Pt 6)
13	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage upto and Including 1100V)	Wrapping Test (for Aluminum)	IS 7098 (Pt 1):, IS 8130 IS 10810 (Pt 3)
14	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage up to and including 1100V)	Aging in Air Oven (for Insulation and Sheath)	IS 7098 (Pt 1), IS 5831 IS 10810 (Pt 11)
15	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage up to and Including 1100V)	Annealing Test (for Copper)	IS 7098 (Pt 1), IS 8130: IS 10810 (Pt 1)
16	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage up to and Including 1100V)	Armouring wires/ strips (Dimension/ Torsion & Winding test on galvanized steel Wires/ Uniformity & mass of zinc coating)	IS 7098 (Pt 1), IS 3975) IS 10810 (Pt 36-42)
17	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage up to and Including 1100V)	Hot Deformation Test	IS 7098 (Pt 1), IS 5831 IS 10810 (Pt 15)



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18	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage up to and Including 1100V)	Hot set Test(for insulation)	IS 7098 (Pt 1);, IS 10810 (Pt 30):
19	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables (for Working Voltage up to and Including 1100V)	Loss of Mass in air oven	IS 7098 (Pt 1), IS 5831, IS 10810 (Pt 10)
20	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables (for Working Voltage upto and Including 1100V)	Wrapping Test (for Aluminum)	IS 1554 (Pt 1), IS 8130:2013 IS 10810 (Pt 3)
21	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables (for Working Voltage upto and Including 1100V)	Thickness of Insulation and Sheath	IS 1554 (Pt 1);, IS 10810 (Pt 6)
22	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables (for Working Voltage up to and Including 1100V)	Tensile Test (for Aluminum)	IS 1554 (Pt- 1), IS 8130 IS 10810 (Pt 2)
23	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables (for Working Voltage up to and Including 100V)	Tensile Strength and Elongation at break (for Insulation and Sheath)	IS 1554 (Pt 1);, IS 5831: IS 10810 (Pt 7)
24	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables (for Working Voltage up to and Including 1100V)	Aging in Air Oven	IS 1554 (Pt 1);, IS 5831: IS 10810 (Pt 11)
25	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables (for Working Voltage up to and Including 1100V)	Cold Bend Test (Mandrel Size: 4mm to 74mm)	IS 1554 (Pt-1), IS 10810 (Pt 20)
26	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables (for Working Voltage up to and Including 1100V)	Hot Deformation Test	IS 1554 (Pt 1);, IS 5831: IS 10810 (Pt 15)
27	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables (for Working Voltage up to and Including 1100V)	Loss of Mass in air oven	IS 1554 (Pt 1), IS 5831 IS 10810 (Pt 10)
28	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables (for Working Voltage upto and Including 1100V)	Thermal Stability Test	IS 1554 (Pt-1) IS 5831: IS10810 (Pt 60)
29	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto and Including 1100 V	Annealing Test (for Copper)	IS 1554 (Pt 1), IS 8130 IS 10810 (Pt 1)
30	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto and Including 1100 V	Armouring wires/ strips (Dimension/ Torsion & Winding test on galvanized steel Wires/ Uniformity & mass of zinc coating)	IS 1554 (Pt 1), IS 3975: IS 10810 (Pt 36-42)
31	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto and Including 1100 V	Conductor Resistance	IS 1554 (Pt 1, IS 8130 IS 10810 (Pt 5)
32	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto and Including 1100 V	Heat Shock Test	IS 1554 (Pt-1);, IS 5831: IS 10810 (Pt 14):
33	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages up to & including 1100V	Tensile Strength and Elongation at Break	IS 694, IS 5831;., IS 10810 (Pt 7)
34	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages up to & including 1100V	Tensile Test (for Aluminum)	IS 694;., IS 8130;., IS 10810 (Pt 2):



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35	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Annealing Test (for Copper)	IS 694:, IS 8130: IS 10810 (Pt 1):
36	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Additional Ageing Test (OU cables only)	IS 694: Cl. 10.9
37	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Aging in Air Oven	IS 694: IS 5831: IS 10810 (Pt 11)
38	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Cold Bend Test (Mandrel Size: 4mm to 74mm)	IS 694:IS 5831: IS 10810 (Pt 20)
39	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Cold Impact Test	IS 694: IS 5831: IS 10810 (Pt 21)
40	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Conductor Resistance	IS 694:, IS 8130:IS 10810 (Pt 5):
41	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Conductor Size	IS 694:, IS 8130
42	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Flammability Test	IS 694 IS 10810 (Pt 53), IS 694:, IS 1554 (Pt 1)
43	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	High Voltage Test (Room Temperature)	IS 694:IS 10810 (Pt 44/45):, IS 1554 (Pt 1):
44	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	High Voltage Test (Water Immersion)	IS 694: IS 10810 (Pt 45):, IS 1554 (Pt 1)
45	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Hot Deformation Test	IS 694: IS 5831:IS 10810 (Pt 15):
46	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Insulation Resistance Test/ Insulation Resistance Constant / Volume resistivity	IS 694: IS 10810 (Pt 43):, IS 1554 (Pt 1):1988 , IS 5831
47	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Loss of Mass	IS 694: IS 5831: IS 10810 (Pt 10):
48	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Overall Dimension and Thickness of Insulation/Sheath	IS 694: IS 10810 (Pt 6):



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49	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Shrinkage Test	IS 694: IS 5831: IS 10810 (Pt 12);, IS 1554 (Pt 1)
50	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Thermal Stability Test	IS 694:IS 5831: IS 10810 (Pt 60):
51	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Wrapping Test (for Aluminum)	IS 694, IS 8130:2013 IS 10810 (Pt 3)
52	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V PVC Insulated Unsheathed and Sheathed Cables/ Cords with rigid and flexible conductor for rated voltages upto & including 1100V	Heat Shock Test	IS 694:IS 5831: IS 10810 (Pt 14):
53	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non acid electrolytes - Safety Requirement for portable sealed Secondary Cells and for Batteries made from them, for use portable application (Nickel and lithium)	Marking	IEC 62133 (Pt 1 & 2):2017 IS 16046 (Pt 1 & 2):2018
54	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non acid electrolytes lithium cells and batteries for portable applications	Charge (Capacity) recovery after long term storage (40°C , Tolerance 2°C)	IEC 61960 (Pt 3):2017, IS 16047 (Pt 3):2018
55	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non acid electrolyteslithium cells and batteries for portable applications	Capacity C5	IEC 61960 (Pt 3):2017, IS 16047 (Pt 3):2018
56	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non acid electrolyteslithium cells and batteries for portable applications	Cell designation and marking	IEC 61960 (Pt 3):2017, IS 16047 (Pt 3):2018
57	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non acid electrolyteslithium cells and batteries for portable applications	Charge (Capacity) Retention and Recovery	IEC 61960 (Pt 3):2017, IS 16047 (Pt 3):2018
58	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non acid electrolyteslithium cells and batteries for portable applications	Discharge performance at (-)20°C	IEC 61960 (Pt 3):2017, IS 16047 (Pt 3):2018
59	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non acid electrolyteslithium cells and batteries for portable applications	Discharge performance at 20°C	IEC 61960 (Pt 3):2017, IS 16047 (Pt 3):2018
60	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non acid electrolyteslithium cells and batteries for portable applications	Endurance in cycles (20°C tolerance 2°C)	IEC 61960 (Pt 3):2017, IS 16047 (Pt 3):2018
61	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non acid electrolyteslithium cells and batteries for portable applications	High rate discharge performance (20°C , 5°C tolerance)	IEC 61960 (Pt 3):2017, IS 16047 (Pt 3):2018
62	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non acid electrolyteslithium cells and batteries for portable applications	Internal Resistance AC and DC	IEC 61960 (Pt 3):2017, IS 16047 (Pt 3):2018

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63	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non acid electrolytes - Safety Requirement for portable sealed Secondary Cells and for Batteries made from them, for use portable application (Nickel and lithium)	Continuous Low rate Charging/ Continuous Charge	IEC 62133 (Pt 1&2):2017, IS 16046 :2018
64	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other nonacid electrolytes - Safety Requirement for portable sealed Secondary Cells and for Batteries made from them, for use portable application (Nickel and lithium)	Case stress	IEC 62133 (Pt 1):2017, IS 16046 (Pt 1):2018
65	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other nonacid electrolytes - Safety Requirement for portable sealed Secondary Cells and for Batteries made from them, for use portable application (Nickel and lithium)	Forced Discharge	IEC 62133 (Pt 1 & 2):2017, IS 16046 (Pt 1 & 2):2018
66	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other nonacid electrolytes - Safety Requirement for portable sealed Secondary Cells and for Batteries made from them, for use portable application (Nickel and lithium)	Free Fall	IEC 62133 (Pt 1 & 2):2017, IS 16046 (Pt 1 & 2):2018
67	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other nonacid electrolytes - Safety Requirement for portable sealed Secondary Cells and for Batteries made from them, for use portable application (Nickel and lithium)	Overcharge	IEC 62133 (Pt 1 & 2):2017,IS 16046 (Pt 1 & 2):2018
68	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other nonacid electrolytes - Safety Requirement for portable sealed Secondary Cells and for Batteries made from them, for use portable application (Nickel and lithium)	Packaging	IEC 62133 (Pt 1 & 2):2017, IS 16046 (Pt 1 & 2):2018
69	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other nonacid electrolytes - Safety Requirement for portable sealed Secondary Cells and for Batteries made from them, for use portable application (Nickel and lithium)	Vibration	IEC 62133 (Pt 1 & 2):2017, IS 16046 (Pt 1 & 2) :2018
70	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other nonacid electrolytes - Safety Requirement for portable sealed Secondary Cells and for Batteries made from them, for use portable application (Nickel)	Incorrect Installation	IEC 62133 (Pt 1):2017, IS 16046 (Pt 1):2018
71	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other nonacid electrolytes - Safety Requirement for portable sealed Secondary Cells and for Batteries made from them, for use portable application (Nickel)	Temperature Cycling	IEC 62133 (Pt1):2017, IS 16046 (Pt 1):2018
72	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other nonacid electrolytes - Safety Requirement for portable sealed Secondary Cells and for Batteries made from them, for use portable application (Nickel and lithium)	External Short Circuit (cell and battery)	IEC 62133 (Pt 1 & 2):2017, IS 16046 (Pt 1 & 2):2018
73	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other nonacid electrolytes - Safety Requirement for portable sealed Secondary Cells and for Batteries made from them, for use portable application (Nickel and lithium)	Small cell and battery safety information	IEC 62133 (Pt 1 & 2):2017, IS 16046 (Pt 1 & 2):2018



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74	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other nonacid electrolytes - Safety Requirement for portable sealed Secondary Cells and for Batteries made from them, for use portable application (Nickel and lithium)	Thermal Abuse	IEC 62133 (Pt 1 & 2):2017, IS 16046 (Pt 1 & 2):2018
75	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other nonacid electrolytes - Safety Requirement for portable sealed Secondary Cells and for Batteries made from them, for use portable application (Nickel)	Low Pressure (high altitude test)	IEC 62133 (Pt1):2017, IS 16046 (Pt 1):2018
76	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid / SMF Batteries	Classification	JIS C 8702-1
77	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid / SMF Batteries	Construction	JIS C 8702-1
78	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid / SMF Batteries	Endurance in trickle application	JIS C 8702-1
79	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid / SMF Batteries	Endurance in trickle application at 40°C	JIS C 8702-1
80	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid/ SMF Batteries	Capacity	JIS C 8702-1
81	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid/ SMF Batteries	Gas Emission Intensity Test I & II	JIS C 8702-1
82	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid/ SMF Batteries	Gas Characteristics - Liquid Leakage resistance	JIS C 8702-1
83	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid/ SMF Batteries	High rate discharge characteristics	JIS C 8702-1
84	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid/ SMF Batteries	Marking items	JIS C 8702-1
85	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid/ SMF Batteries	Marking of polarity	JIS C 8702-1
86	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid/ SMF Batteries	Maximum permissible current characteristics	JIS C 8702-1
87	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid/ SMF Batteries	Mechanical Strength Shock resistance characteristics	JIS C 8702-1
88	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid/ SMF Batteries	Mechanical Strength Vibration resistance characteristics	JIS C 8702-1
89	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid/ SMF Batteries	Storage Characteristics	JIS C 8702-1
90	ELECTRICAL- CELLS & BATTERIES	Small Size Valve Regulated Lead-Acid/ SMF Batteries	Terminal	JIS C 8702- 1& 2
91	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Drop Test	IEC 60896- 21:2004, IEC 60068-2- 32:1975
92	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries and Cell(with Tubular positive plates	Ampere hour and Watt hour efficiency	IS 13369:, IS 1651:

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93	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries and Cell(with Tubular positive plates	Capacity	IS 13369: IS 1651
94	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries and Cell(with Tubular positive plates	Endurance Test	IS 13369
95	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries and Cell(with Tubular positive plates	Loss of Capacity on Storage	IS 13369:, IS 1651
96	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries and Cell(with Tubular positive plates	Test for suitability of floating battery operation	IS1651
97	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries and Cell(with Tubular positive plates	Verification of construction requirements	IS13369
98	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries and Cell(with Tubular positive plates	Verification of dimension	IS 13369, IS 1651
99	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries and Cell(with Tubular positive plates	Verification of marking	IS13369
100	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries and Cell(with Tubular positive plates	Water Loss Test	IS 1651
101	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Abusive Power Discharge	IEC 60896-21
102	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Charge retention during storage	JIS C 8702-1
103	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Content and durability of required marking	IEC 60896- 21
104	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Dimensional stability at elevated internal Pressure and Temperature	IEC 60896- 21
105	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Discharge Capacity	IEC 60896- 21
106	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Float Service with daily discharge	IEC 60896- 21
107	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Gas Emission Test	IEC 60896- 21
108	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	High Current Tolerance	IEC 60896- 21
109	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Impact of a stressed temperature of 55°C or 60°C	IEC 60896- 21
110	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Low Temperature Sensitivity	IEC 60896- 21
111	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Recharge Behavior	IEC 60896- 21
112	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Service Life at an operating temperature of 40°C	IEC 60896- 21

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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113	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Short Circuit Current and DC Internal Resistance	IEC 60896- 21
114	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Stability against mech. Abuse of units during installation	IEC 60896- 21
115	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types	Thermal run away sensitivity	IEC 60896- 21
116	ELECTRICAL- CELLS & BATTERIES	Stationary Valve Regulated Lead Acid Batteries	Acid Retention capability test on separators	IS 15549:
117	ELECTRICAL- CELLS & BATTERIES	Stationary Valve Regulated Lead Acid Batteries	Endurance Life Cycle Test	IS 15549
118	ELECTRICAL- CELLS & BATTERIES	Stationary Valve Regulated Lead Acid Batteries	Test for C1 capacity and Voltage during Discharge	IS 15549
119	ELECTRICAL- CELLS & BATTERIES	Stationary Valve Regulated Lead Acid Batteries	Test for C10 capacity and Voltage during Discharge	IS 15549, IS 1651
120	ELECTRICAL- CELLS & BATTERIES	Stationary Valve Regulated Lead Acid Batteries	Test for oxygen recombination efficiency	IS 15549
121	ELECTRICAL- CELLS & BATTERIES	Stationary Valve Regulated Lead Acid Batteries	Test for retention for charge	IS 15549
122	ELECTRICAL- CELLS & BATTERIES	Stationary Valve Regulated Lead Acid Batteries	Visual Examination	IS 15549
123	ELECTRICAL- CELLS & BATTERIES	Stationary Valve Regulated Lead Acid Batteries	Wicking test on separators	IS 15549
124	ELECTRICAL- CELLS & BATTERIES	Stationary Valve Regulated Lead Acid Batteries	Ampere hour and Watt hour efficiency	IS 15549
125	ELECTRICAL- CELLS & BATTERIES	Stationary Lead Acid Batteries(Valve Regulated types)	Material Identification	IEC 60896-21:2004
126	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Automatic Line Voltage Correctors, Single Phase (Step Type)	High Voltage	IS 8448 Cl. 12.5:
127	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Automatic Line Voltage Correctors, Single Phase (Step Type)	Induced voltage	IS 8448 Cl. 12.8
128	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Automatic Line Voltage Correctors, Single Phase (Step Type)	Leakage Current	IS 8448 Cl. 7.2:
129	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Automatic Line Voltage Correctors, Single Phase (Step Type)	No Load Current	IS 8448 Cl. 12.6:
130	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Automatic Line Voltage Correctors, Single Phase (Step Type)	Output Voltage (AC & DC)	IS 8448 Cl. 12.3:
131	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Automatic Line Voltage Correctors, Single Phase (step type)	Physical Examination	IS 8448 Cl. 6 & Cl. 10:
132	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Automatic Line Voltage Correctors, Single Phase (Step Type)	Provision of Earthing	IS 8448 Cl. 7



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133	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Automatic Line Voltage Correctors, Single Phase (Step Type)	Temperature Rise	IS 8448 Cl. 12.7
134	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Automatic Line Voltage Correctors, Single Phase(Step Type)	Insulation Resistance	IS 8448 Cl. 12.4:
135	ELECTRICAL- POWER SUPPLIES & STABILIZERS	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Power supply, power consumption	IEC 62676-5:2018 (Cl. 4.9)
136	ELECTRICAL- POWER SUPPLIES & STABILIZERS	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Power Supply/ Power Consumption	IEC 62676-5:2018 (Cl. 4.9)
137	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors, single phase and Three phase	Insulation resistance	IS:9815 (Part-1) CL.11.5:
138	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors, single phase and Three phase	Leakage current	IS 9815 Cl. 7.3
139	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors, single phase and Three phase	load loss test and efficiency	IS 9815 Cl. 11.9
140	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors, single phase and Three phase	Measurement of no- load losses	IS 9815 Cl.11.8
141	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors, single phase and Three phase	Test for continuous operation	IS 9815 Cl. 11.11:
142	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors,single phase and Three phase	Damp Heat	IS 9815 Cl.11.5
143	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors,single phase and Three phase	High voltage test	IS 9815 Cl. 11.5
144	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors,single phase and Three phase	Induced Voltage	IS 9815 Cl:11.11
145	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors,single phase and Three phase	Lock Rotor test for servo	IS 9815 Cl. 11.15
146	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors,single phase and Three phase	No- Load Current	IS 9815 Cl.11.7
147	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors,single phase and Three phase	Output voltage	IS 9815 Cl. 11.6
148	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors,single phase and Three phase	Physical examination	IS 9815 CL.6 & CL.10
149	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors,single phase and Three phase	Provision of Earthing	IS 9815 Cl. 7.2
150	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors,single phase and Three phase	Rate of Correction	IS 9815 Cl. 11.13:
151	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Servo Motor Operated Automatic Line Voltage correctors,single phase and Three phase	Temperature Rise test	IS 9815 Cl. 11.12
152	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter , single phase	Insulation Resistance	IS 13314 ,Cl 7.7:



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153	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter ,UPS single and three phase	Auto transfer to stored energy mode and back to normal	IEC 62040 (Part 3):2021, IS 16242 (Part 3) Cl. 6.2.2.3.e
154	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverter ,UPS single and three phase	auxillary devices	IEC 62040 (Part 3):2021, IS 16242 (Part 3) Cl. 6.2.2.3 c
155	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter ,UPS single and three phase	No load	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.2.2.4
156	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter ,UPS single and three phase	Parallel redundant UPS fault	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.2.12
157	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter ,UPS single and three phase	Transfer test to bypass	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.2.2.9
158	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter ,UPS single and three phase, Environmental	Repetitive shock Test	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl. 6.5.2.1
159	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter ,UPS single and three phase, Input supply compatibility	Harmonic distortion of input current	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.1.4
160	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter ,UPS single and three phase, output - Linear Load	Dynamic performance- stored energy to normal mode (AC)	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.2.11.2
161	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter ,UPS single and three phase, output - Linear Load	Stored energy mode- no load	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.2.3
162	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverter, single phase	Frequency	IS 13314 Cl. 7.9.2
163	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverter, single phase	Power factor	IS 13314 Cl. 7.9.3
164	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverter, single phase	Cold test	IS 13314, Cl. 7.10:
165	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, single phase	Efficiency	IS 13314, Cl. 7.9.3
166	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, single phase	Marking	IS 13314 , Cl . 6
167	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverter, Single phase	Damp heat	IS 13314 Cl. 7.10:
168	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, single phase	Dry heat test	IS 13314 cl. 7.10
169	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, single phase	Harmonics Contents	IS 13314, Cl. 7.11:
170	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, single phase	High Voltage	IS 13314
171	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverter, single phase	No load current	IS 13314 Cl. 7.8
172	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, single phase	Output Voltage	IS 13314 Cl. 7.9



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173	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase	AC Input Failure	IEC 62040 (Part 3): 2021, IS 16242 (Part 3), Cl. 6.2.2.7:
174	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase	AC Input Return	IEC 62040 (Part-3): 2021, IS 16242 (Part 3) Cl. 6.2.2.8:
175	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase	Auto transfer to bypass /isolation mode and back to normal	IEC 62040 (Part 3): 2021, IS 16242 (Part 3), Cl. 6.2.2.3.f :
176	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase	control devices	IEC 62040 (Part 3): 2021, IS 16242 (Part 3), Cl -6.2.2.3.a:
177	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase	Full load	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl. 6.2.2.5 :
178	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase	Manual transfer to bypass /isolation mode and back to normal	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl. 6.2.2.3.g :
179	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase	Protective devices	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl. 6.2.2.3 b:
180	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase	Supervisory , monitoring ,signalling device	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl. 6.2.2.3.d:
181	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase	Synchronization Test / Frequency slew-rate	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl. 6.2.2.6:
182	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, Environmental	Free- Fall Test	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), cl. 6.5.2.2:
183	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverter, UPS single and three phase, Input supply compatibility	Efficiency	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl. 6.4.1.6:
184	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, Input supply compatibility	Input frequency tolerance	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.1.2:
185	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, Input supply compatibility	Input inrush current	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.1.3:
186	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, Input supply compatibility	Power factor	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.1.5:
187	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, Input supply compatibility	stand- by generator compatibility	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.1.9:
188	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, Input supply compatibility	Steady- state input voltage tolerance	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.1.1:
189	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, output - Linear Load	Normal mode- No load	IEC 62040 (Part 3): 2011, IS 16242 (Part 3) Cl 6.4.2.1
190	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverter, UPS single and three phase, output - Linear Load	3-phase voltage unbalance	IEC 62040 (Part 3): 2021, IS 16242 (Part 3), Cl 6.4.2.5:
191	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, output - Linear Load	Current division across parallel UPS	IEC 62040 (Part 3): 2021, IS 16242 (Part 3), Cl 6.4.2.7:



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192	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, output - Linear Load	DC Voltage component	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.2.6:
193	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, output - Linear Load	Dynamic performance- Normal to bypass mode overload	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.2.11.3:
194	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, output - Linear Load	Dynamic performance- Normal to stored energy mode	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.2.11.1:
195	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, output - Linear Load	Dynamic performance-step load - normal mode	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.2.11.4:
196	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverter, UPS single and three phase, output - Linear Load	Dynamic performance-step load -stored energy mode	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.2.11.5:
197	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, output - Linear Load	Fault clearing capability- normal mode	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.2.10.3:
198	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, output - Linear Load	Fault clearing capability- stored energy mode	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.2.10.4
199	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, output - Linear Load	normal mode- full load	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.2.2:
200	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, output - Linear Load	Overload- Normal mode	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.2.10.1:
201	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, output - Linear Load	Overload- stored energy mode	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.2.10.2:
202	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, output - Linear Load	Periodic output voltage variation test	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl 6.4.2.9
203	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, Stored and restored energy times	Battery ripple current	IEC 62040 (Part 3): 2021, IS 16242 (Part 3), Cl. 6.4.4.3:
204	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, Stored and restored energy times	Restart test	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl. 6.4.4.4
205	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase, Stored and restored energy times	Stored energy time	IEC 62040 (Part 3): 2011, IS 16242 (Part 3), Cl. 6.4.4.1:
206	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state inverter, UPS single and three phase	Cable and interconnection check	IEC 62040- (Part 3): 2021, IS 16242 (Part 3) Cl 6.2.2.2:
207	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Stabilized Power Supply DC Output, 60V/30A	No Load Current	IS 7204 Part 4 CL: 18.4
208	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Stabilized Power Supply DC Output, 60V/30A	Output Voltage	IS 7204 Part 4:
209	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS)	Clearances, Creepage Distance and Distance through Insulation	IS: 16242-1:, IEC:62040-1 Cl. 5.7, Cl. 2.10.2, 2.10.3.1 to 2.10.3.4, 2.10.3.6 to 2.10.3.7, 2.10.3.9(a), 2.10.4.3, 2.10.5



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210	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS)	Clearances, Creepage Distance and Distance through Insulation	IS: 16242-1; IEC:62040-1 Cl. 5.7, Cl. 2.10.2, 2.10.3.1 to 2.10.3.4, 2.10.3.6 to 2.10.3.7, 2.10.3.9(a), 2.10.4.3, 2.10.5: 2017
211	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS)	Connection to Power Wiring. Terminals for External Power Conductors Physical Requirement Enclosure	IS: 16242-1; IEC:62040-1 Cl. 5.5, IEC:62040-1 Cl. 6.0, 6.1, 6.2, 6.3, 7.0, 7.1
212	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Abnormal Operating and Fault Conditions	IS: 16242-1, IEC:62040-1 Cl. 8.3
213	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	AC and DC Power Isolation Over Current and Earth Fault Protection Wiring Connections and Supply General	IS: 16242-1, IEC:62040-1 Cl. 5.4
214	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Battery Location	IS: 16242-1, IEC:62040-1 Cl. 7.6
215	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Clearances, Creepage Distance and Distance through Insulation	IS: 16242-1 IEC:62040-1 Cl. 5.7, Cl. 2.10.2, 2.10.3.1 to 2.10.3.4, 2.10.3.6 to 2.10.3.7, 2.10.3.9(a), 2.10.4.3, 2.10.5: 2017
216	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Construction Details	IS: 16242-1 IEC:62040-1 Cl.7.4
217	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Construction Details	IS: 16242-1, IEC:62040-1 Cl.7.4: 2017
218	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Construction Details	IS: 16242-1, IEC:62040-1 Cl.7.4: 2017
219	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Electric Strength	IS: 16242-1; IEC:62040-1 Cl. 8.2
220	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Electrical Requirements and Simulated Abnormal Conditions General Provisions for Earth Leakage	IS: 16242-1, IEC:62040-1 Cl.8.0, 8.1
221	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Fundamental Design	IS: 16242-1, IEC:62040-1 Cl. 5.0
222	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Mechanical Strength	IS: 16242-1, IEC:62040-1 Cl. 7.3
223	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Power Interfaces	IS: 16242-1; IEC:62040-1 Cl. 4.6: 2017
224	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Power Interfaces	IS: 16242-1, IEC:62040-1 Cl. 4.6
225	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Power Interfaces	IS: 16242-1, IEC:62040-1 Cl. 4.6: 2017

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226	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Protection Against Electric Shock and Energy Hazards	IS: 16242-1, IEC:62040-1 Cl. 5.1
227	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Protection Against Electric Shock and Energy Hazards	IS: 16242-1, IEC:62040-1 Cl. 5.1
228	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Protection of Personnel - Safety Interlocks	IS: 16242-1, IEC:62040-1 Cl. 5.6
229	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Protective Earthing and Bonding	IS: 16242-1, IEC:62040-1 Cl. 5.3
230	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Requirement for Auxiliary Circuits	IS: 16242, IEC:62040-1 Cl. 5.2
231	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Requirement for Auxiliary Circuits	IS: 16242-1, IEC:62040-1 Cl. 5.2: 2017
232	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Requirement for Auxiliary Circuits	IS: 16242-1, IEC:62040-1 Cl. 5.2: 2017
233	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Resistance to Fire (Thermal Tests)	IS: 16242-1, IEC:62040-1 Cl. 7.5, Cl. 4.7.3.1 & 4.7.3.3 Method 1 of RD
234	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Stability	IS: 16242-1, IEC:62040-1 Cl. 7.2
235	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterrupted Power Systems (UPS) and Inverter	Visual Inspection and Manual Tests Markings and Instruction	IS: 16242-1 IEC:62040-1 Cl. 4.7
236	ELECTRONICS- EMC TEST FACILITY	IT Products / House hold / Industrial / Medical Equipment	Surge (Ring wave test)	IEC:870-2-1 :1995, IEC:61000-4-12
237	ELECTRONICS- EMC TEST FACILITY	IT Products / House hold / Industrial / Medical Equipment	Surge Immunity Test	IEC:61000-4-5 :2014, IEC:61000-6-1 :2016, IEC:61000-6-2 :2016, IS:13779 :1999, CISPR 24 :2010, IEC:60571 :2012, IEC: 60601-1-2 :2014, TEC/EMI/TEL-001, IEC:62236-3-2 :2018, IEC: 61326-3-2 :2017, IEC:60255-26 :2013, IEC:60255-22-5, IEC:870-2-1
238	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Damp Heat (Tropical Exposures) Climatic Test Chambers used - C4-340 dimensions: 580mm X 765mm X 750mm, C4-1500 dimensions: 1050mm X 1050mm X 950mm, Walk-In-Chamber dimensions: 2000mm X 2000mm X 2000mm	Electronic, Electrical & Electro-mechanical Items etc.	IEC 60068-2-30 / 38, QM 333, JSS 5855, JSS 50501: 2016, JSS 55555: 2016, MIL- STD-810 G/H



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239	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic, Electrical & Electro-mechanical Items etc.	Vibration (Sinusoidal & Random) Climatic Test Chambers used - C4-340 dimensions: 580mm X 765mm X 750mm, C4-1500 dimensions: 1050mm X 1050mm X 950mm, Walk-In-Chamber dimensions: 2000mm X 2000mm X 2000mm	IS 9000 (Pt 8);, IS 15763:2020, IS 2041: 2018, QM-333, JSS 55555:2000, JSS 5855:11:2016, JSS 50501: 2016, IEC 60068-2-6:2007, IEC 60068-2-64, IEC 60571:2012, IEC 61373:2010, MIL-STD-810-G/H
240	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic, Electrical & Electro-mechanical Items etc.	Altitude Test : (Chamber size 500mm X 500mm X 500mm)	IEC 60068-2-13:2021, JSS 5855:11:2016, JSS 55555:2012, MIL-STD-810 G/H
241	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic, Electrical & Electro-mechanical Items etc.	Bump	IS: 9000(Part VII /Sec 2) : 2016 QM 333, JSS 55555, JSS 5855:11:2016, IEC 60571:2012
242	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic, Electrical & Electro-mechanical Items etc.	Change of Temperature (Thermal Shock/ Rapid change of temp./ Temperature Cycling.) Climatic Test Chambers used - C4-340 dimensions: 580mm X 765mm X 750mm, C4-1500 dimensions: 1050mm X 1050mm X 950mm, Walk-In-Chamber dimensions: 2000mm X 2000mm X 2000mm	IS:9000 (Pt XIV, Sec1&2) , QM333, JSS 55555, IEC 60068-2-14, MIL-STD-810 G/H, JSS 5855:11:2016, JSS 50501: 2015
243	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic, Electrical & Electro-mechanical Items etc.	Cold/ Low Temperature C4-340 dimensions: 580mm X 765mm X 750mm, C4-1500 dimensions: 1050mm X 1050mm X 950mm, Walk-In-Chamber dimensions: 2000mm X 2000mm X 2000mm	IS:9000 (Part II) :1977, QM 333, JSS 5855:11:2016 JSS 50501, JSS 55555, IEC:60068-2-1:2007, MIL-Std-810 G/H, IEC 60571:2012
244	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic, Electrical & Electro-mechanical Items etc.	Damp Heat (Composite)/ Composite Temp. / Humidity C4-340 dimensions: 580mm X 765mm X 750mm, C4-1500 dimensions: 1050mm X 1050mm X 950mm, Walk-In-Chamber dimensions: 2000mm X 2000mm X 2000mm	IS 9000 (Pt-6), QM 333, JSS 5855:11:2016, JSS 50501: 2016, MIL- STD-810 G/H, IEC 60068-2-38:2021, IEC 60571:2012
245	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic, Electrical & Electro-mechanical Items etc.	Damp Heat (Cyclic)/ Humidity Damp Heat (Cyclic)/ Humidity	IS:9000 (Part V/Section 1,2) QM333, JSS 5855:11:2016, JSS 50501, JSS 55555, IEC:60068-2-30:2005, MIL-Std-810 G/H, IEC 60571:2012



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246	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronic, Electrical & Electro-mechanical Items etc.	Damp Heat (Steady State)/ Humidity Damp Heat (Steady State)/ Humidity	IS:9000 (Part IV), QM 333, JSS 5855:11:2016, JSS 50501, JSS 55555, IEC:60068-2-78 : 2012, MIL- Std-810 G/H, IEC 60571:2012
247	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronic, Electrical & Electro-mechanical Items etc.	Driving Rain Test C4-340 dimensions: 580mm X 765mm X 750mm, C4-1500 dimensions: 1050mm X 1050mm X 950mm, Walk-In-Chamber dimensions: 2000mm X 2000mm X 2000mm	IEC 60068-2-18:2017, JSS 5855:11:2016, JSS 55555 (Test No.12), MIL STD-810 G/H
248	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronic, Electrical & Electro-mechanical Items etc.	Drop/ Transit drop/ Free Fall / Tilt / Topple C4-340 dimensions: 580mm X 765mm X 750mm, C4-1500 dimensions: 1050mm X 1050mm X 950mm, Walk-In-Chamber dimensions: 2000mm X 2000mm X 2000mm	IS: 9000 (Pt.VII /Sec 3): JSS 5855:11:2016, JSS 50501: 2016, MIL-STD-810-G/H, JSS 55555: 2020
249	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronic, Electrical & Electro-mechanical Items etc.	Dry Heat/ High Temperature C4-340 dimensions: 580mm X 765mm X 750mm, C4-1500 dimensions: 1050mm X 1050mm X 950mm, Walk-In-Chamber dimensions: 2000mm X 2000mm X 2000mm	IS:9000 (Pt III/Section 1 to 5), QM 333, JSS 5855:11:2016 JSS 50501, JSS 55555 IEC:60068-2-2:2007, MIL-Std-810 G/H, IEC 60571:2012
250	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronic, Electrical & Electro-mechanical Items etc.	Salt Spray/ Corrosion/ Salt Mist Salt Spray Chamber dimensions: 870mm X 600mm X 750mm	IS:9000 (Part XI / Sec 3), QM 333, JSS 55555, IEC 60068-2-11/ 52, MIL-STD -810 G/H, JSS 5855:11:2016, JSS 50501: 2016, JSS 55555:2020
251	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronic, Electrical & Electro-mechanical Items etc.	Shock	IS 9000 (Pt 7/ Sec.1):, IS 15763:2020, IS 2041:2018, QM-333, JSS 55555:2000, JSS 5855:11:2016, JSS 50501: 2016, IEC 60068-2-27/ 31/ 75, IEC 60571:2012, IEC 61373:2010, MIL-STD-810-G/H, (Procedure 1,2,3,4 &7)
252	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronic, Electrical & Electro-mechanical Items etc.	Solderability	JSS 50101, IS: 9000 (Pt XVIII):
253	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment	Opening in Enclosures	IS: 13252 (Part 1) :1999, IS:60950 (Part 1) Cl. 4.6.2



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254	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment	Production of cable distribution system service persons , and user of other equipment connected to the system, from hazards voltages in the equipment	IS: 13252 (Part 1) :1999, IS:60950 (Part 1) Cl. 7.4.3
255	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment	Safety Interlocks	IS: 13252 (Part 1) :1999, IS:60950 (Part 1) Cl. 2.8
256	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment	TNV Circuits	IS: 13252 (Part 1) :1999, IS:60950 (Part 1) Cl. 2.3
257	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	General	IEC 62676-5: 2018, Cl. 4.1, IEC 62676-4: 2014, IS 16910 (Pt. 4): 2018
258	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Audio Function	IEC 62676-5:2018 Cl. 4.7.11, IS 16910 (Pt. 1 Sec. 2 / Pt. 2 Sec. 31), IS 16910 (Pt. 1 Sec. 2 / Pt. 2 Sec. 31), IS 16910 (Pt. 5):2020
259	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Automation	IEC 62676-4: 2014, IS 16910 (Pt. 4): 2018
260	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Camera Storage / Local Storage	IEC 62676-5:2018 Cl. 4.7.10, IS 16910 (Pt. 5):2020
261	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Day / Night Mode	IEC 62676-5:2018 Cl. 4.2.11, IS 16910 (Pt. 5): 2020
262	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Electromagnetic Compatibility / ESD	IS 16910 (Pt. 1/ Sec. 1): 2018, IEC 61000-4-2: 2008, IS 16910 (Pt. 5):2020
263	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Field of View	IEC 62676-5:2018 Cl. 4.3.3, IEC 62676-4: 2014, IS 16910 (Pt. 4): 2018, IS 16910 (Pt. 5):2020
264	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Illumination	IEC 62676-5:2018 Cl. 5.4.3, IEC 62676-4: 2014, IS 16910 (Pt. 4/5): 2018
265	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Image Distortion	IS 16910 (Pt. 5): 2020
266	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Image Sensor (Type/ Area/ Pixel)	IEC 62676-5:2018 Cl.4.2, IS 16910 (Pt. 5)
267	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Input/ Output	IEC 62676-5:2018 Cl. 4.4, IEC 62676-2-31, IS 16910 (Pt. 3/ 2-31): 2020, IS 16910 (Pt. 5):2020
268	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Internal Image Processing Performance	IEC 62676-5:2018 Cl. 4.2.12, IS 16910 (Pt. 5): 2020



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269	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	IR Illumination Operating View Distance	IS 16910 (Pt. 5): 2020, IEC 62676 (pt. 5): 2018 Cl. 4.2
270	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Lens - Mount Type/ Housing Selection	IEC 62676-5:2018 Cl. 4.3.6, IEC 62676-4: 2014, IS 16910 (Pt. 4): 2018, IS 16910 (Pt. 5):2020
271	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Maximum Number of Connections	IEC 62676-5:2018 Cl. 4.7.7, IS 16910 (Pt. 5):2020
272	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Multi Cast Streaming	IEC 62676-5:2018 Cl.4.7.6, IS 16910 (Pt. 5):2020 , IEC 62676-1-2:2013 Cl. 6.6, IS 16910 (Pt. 1/ Sec. 2), IS 16910 (Pt. 2/ Sec. 31)
273	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Network Authentication	IS 16910 (Pt. 1/ Sec. 2): 2018
274	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Network Interface	IEC 62676-5:2018 Cl. 4.7.1, IS 16910 (Pt. 5):2020
275	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Network Protocol	IEC 62676-5:2018 Cl. 4.7.12, IS 16910 (Pt. 5):2020 , IEC 62676-1-2:2013, IS 16910 (Pt. 1/ Sec. 2): 2018
276	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Pan / Tilt / Zoom (PTZ)	IEC 62676-5:2018 Cl. 4.6, IS 16910 (Pt. 5):2020 , IEC 62676-4/31: 2014, IS 16910 (Pt. 4/ 2-31): 2018
277	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Resolution	IEC 62676-5:2018 Cl. 5.4.2.3, IS 16910 (Pt. 5): 2020
278	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Safety Requirements	IS 13252 (Pt. 1)
279	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Signal to Noise Ratio	IEC 62676-5:2018 Cl. 4.2.4, IS 16910 (Pt. 5): 2020
280	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Total Encoding Performance	IEC 62676-5:2018 Cl. 4.7.8, IS 16910 (Pt. 5):2020
281	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Vandal Resistance/ Mechanical Impact / Hammer Test	IEC 62676-5:2018 Cl. 4.9, IS 16910 (Pt. 5):2020 , IEC 60068-2-75: 2008, IEC 62262: 2002, IS 16910 (Pt. 1/ Sec. 1): 2018
282	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Video Authentication and Water Marking	IEC 62676-5:2018 Cl. 4.8.3, IEC 6267-1-2, IS 16910 (Pt. 5):2020
283	ELECTRONICS- IT EQUIPMENT	IT Equipment/ Video Surveillance System (CCTV, IP Camera etc)	Water & Dust Resistance / IP Test	IEC 62676-5:2018 Cl. 4.9, IS/IEC 60529, IS 16910 (Pt. 1/ Sec. 1): 2018, IS 16910 (Pt. 5)
284	ELECTRONICS- IT EQUIPMENT	Personal Computer	Bump Test	IS:14896 Cl.10.4.7: IS:9000 Pt.7 Sec.2

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285	ELECTRONICS- IT EQUIPMENT	Personal Computer	Burn-In Test	IS:14896 Cl.10.4.2:
286	ELECTRONICS- IT EQUIPMENT	Personal Computer	Cold Test	IS:14896 Cl.10.4.5: , IS/IEC 60068-2-1
287	ELECTRONICS- IT EQUIPMENT	Personal Computer	Damp Heat Test	IS:14896 Cl.10.4.4: , IS:9000 Pt.5 Sec.1:
288	ELECTRONICS- IT EQUIPMENT	Personal Computer	Dielectric Test	IS:14896 Cl.5.1b, IS:13252 Cl.5.3
289	ELECTRONICS- IT EQUIPMENT	Personal Computer	Display Bump Test	IS:14896 Cl.4.3: , IS:13384 Pt.1 Cl.11.1: , IS:9000 Pt.7 Sec.2
290	ELECTRONICS- IT EQUIPMENT	Personal Computer	Display Burn In Test	IS:14896 Cl.4.3, IS:13384 Pt.1 Cl.11.3
291	ELECTRONICS- IT EQUIPMENT	Personal Computer	Display Cold Test	IS:14896 Cl.4.3: , IS:13384 Pt.1 Cl.11.6: IS/IEC 60068-2-1
292	ELECTRONICS- IT EQUIPMENT	Personal Computer	Display Controls	IS:14896 Cl.4.3: , IS:13384 Pt.1 Cl.5.2:
293	ELECTRONICS- IT EQUIPMENT	Personal Computer	Display Controls	IS:14896 Cl.4.3: , IS:13384 Pt.1 Cl.8:
294	ELECTRONICS- IT EQUIPMENT	Personal Computer	Display Damp Heat Cyclic	IS:14896 Cl.4.3: , IS:13384 Pt.1 Cl.11.5: IS:9000 Pt.5 Sec.2
295	ELECTRONICS- IT EQUIPMENT	Personal Computer	Display Dry Heat	IS:14896 Cl.4.3: , IS:13384 Pt.1 Cl.11.4: , IS:9000 Pt.3 Sec.5
296	ELECTRONICS- IT EQUIPMENT	Personal Computer	Display Marking	IS:14896 Cl.4.3: , IS:13384 Pt.1 Cl.4:
297	ELECTRONICS- IT EQUIPMENT	Personal Computer	Display Performance Requirement	IS:14896 Cl.4.3: , IS:13384 Pt.1 Cl.8:
298	ELECTRONICS- IT EQUIPMENT	Personal Computer	Display Power Supply	IS:14896 Cl.4.3: , IS:13384 Pt.1 Cl.5.1:
299	ELECTRONICS- IT EQUIPMENT	Personal Computer	Display Safety Requirements	IS:14896 Cl.4.3: , IS:13384 Pt.1 Cl.6:
300	ELECTRONICS- IT EQUIPMENT	Personal Computer	Display Vibration Test	IS:14896 Cl.4.3: , IS:13384 Pt.1 Cl.11.2: , IS/IEC 60068-2-6:2007
301	ELECTRONICS- IT EQUIPMENT	Personal Computer	Display Visual Examination	IS:14896 Cl.4.3: , IS:13384 Pt.1 Cl.8:
302	ELECTRONICS- IT EQUIPMENT	Personal Computer	Drop Test	IS:14896 Cl.10.4.6: , IS:9000 Pt.7 Sec.4
303	ELECTRONICS- IT EQUIPMENT	Personal Computer	Dry Heat Test	IS:14896 Cl.10.4.3: , IS:9000 Pt.3 Sec.5:
304	ELECTRONICS- IT EQUIPMENT	Personal Computer	External and Internal Interfaces	IS:14896, Cl.4.2:

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305	ELECTRONICS- IT EQUIPMENT	Personal Computer	General Requirements	IS:14896 Cl.4.1
306	ELECTRONICS- IT EQUIPMENT	Personal Computer	Keyboard Bump Test	IS:14896 Cl.4.4: IS:14441 Cl.6.2.2:; IS:9000 Pt.7 Sec.2
307	ELECTRONICS- IT EQUIPMENT	Personal Computer	Keyboard Cold Test	IS:14896 Cl.4.4:; IS:14441 Cl.6.2.6:; IS/IEC 60068-2-1
308	ELECTRONICS- IT EQUIPMENT	Personal Computer	Keyboard Damp Heat Test	IS:14896 Cl.4.4: IS:14441 Cl.6.2.5:; IS:9000 Pt.5 Sec.1&2:
309	ELECTRONICS- IT EQUIPMENT	Personal Computer	Keyboard Dry Heat Test	IS:14896 Cl.4.4:; IS:14441 Cl.6.2.4:; IS:9000 Pt.3 Sec.5:
310	ELECTRONICS- IT EQUIPMENT	Personal Computer	Keyboard Free Fall Test	IS:14896 Cl.4.4: IS:14441 Cl.6.2.1:; IS:9000 Pt.7 Sec.4
311	ELECTRONICS- IT EQUIPMENT	Personal Computer	Keyboard General Requirement	IS:14896 Cl.4.4:; IS:14441 Cl.4.1
312	ELECTRONICS- IT EQUIPMENT	Personal Computer	Keyboard Performance Requirement	IS:14896 Cl.4.4:; IS:14441 Cl.5.1:
313	ELECTRONICS- IT EQUIPMENT	Personal Computer	Keyboard Vibration Test	IS:14896 Cl.4.4:; IS:14441 Cl.6.2.3:; IS/IEC 60068-2-1:2007
314	ELECTRONICS- IT EQUIPMENT	Personal Computer	Leakage Current	IS 14896 Cl.5.1a:; IS 13252 Cl.5.2
315	ELECTRONICS- IT EQUIPMENT	Personal Computer	Performance Requirements	IS:14896 Cl.7:
316	ELECTRONICS- IT EQUIPMENT	Personal Computer	Power Supply	IS:14896 Cl.4.5:
317	ELECTRONICS- IT EQUIPMENT	Personal Computer	Surge/Spike	IS:14896 Cl.6.2c:; IEC:61000 Pt.4 Sec.5:2014
318	ELECTRONICS- IT EQUIPMENT	Personal Computer	Verification of Marking	IS:14896 Cl.8:
319	ELECTRONICS- IT EQUIPMENT	Personal Computer	Vibration Test	IS:14896 Cl.10.4.1:; IS/IEC 60068-2-1
320	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Abnormal Operating and Fault Conditions	IS: 13252 (Part 1) , IEC:60950 (Part 1) Cl. 5.3
321	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Clearances and Creepage Distances	IS:13252 (Part 1), IEC:60950 (Part 1) Cl. 2.10.2, 2.10.3.1 to 2.10.3.4, 2.10.3.6 to 2.10.3.7, 2.10.3.9(a), 2.10.4.3 & 2.10.5 of RD
322	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Connection to Mains Supply Upto 6.0 Nm, Upto 100 N, Upto 20 mm	IS: 13252 (Part 1), IEC:60950 (Part 1) Cl. 3.2.6 & 3.2.8



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ELECTRONICS TEST AND DEVELOPMENT CENTRE, B-108, INDUSTRIAL
AREA, PHASE-8, MOHALI, PUNJAB, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-5465

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Validity

24/03/2025 to 23/03/2029

Last Amended on 23/07/2025

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
323	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Design and Construction	IS: 13252 (Part 1), IEC:60950 (Part 1) Cl. 4.3.6
324	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Disconnection from the Mains Supply	IS: 13252 (Part 1) IEC:60950 (Part 1) Cl. 3.4
325	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Electric Strength	IS: 13252 (Part 1) , IEC:60950 (Part 1) Cl. 5.2
326	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Insulation Requirements	IS: 13252 (Part 1), IEC:60950 (Part 1) Cl. 2.9
327	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Interconnection of Equipment	IS: 13252 (Part 1), IEC (Part 1) Cl. 3.5
328	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Limited Current Circuits (at 1 kHz)	IS: 13252 (Part 1), IEC:60950 (Part 1) Cl. 2.4
329	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Limited Current Circuits	IS: 13252 (Part 1) : IEC (Part 1) Cl. 2.4
330	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Limited Power Source	IS: 13252 (Part 1), IEC (Part 1) Cl. 2.5
331	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Mechanical Strength (Impact Test)	IS: 13252 (Part 1) , IEC:60950 (Part 1) Cl. 4.2
332	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Over-current and Earth Fault Protection In Primary Circuits	IS: 13252 (Part 1), IEC:60950 (Part 1) Cl. 2.7
333	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Power Interface	IS: 13252 (Part 1), IEC:60950 (Part 1) Cl. 1.6
334	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Protection Against Hazardous Moving Parts	IS: 13252 (Part 1), IEC:60950 (Part 1) Cl. 4.4
335	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Protection from Electric Shock and Energy Hazards	IS: 13252 (Part 1) , IEC :60950 (Part 1) Cl. 2.1
336	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Protection of Equipment Users from Over Voltages on Telecommunication Networks	IS: 13252 (Part 1) , IEC :60950 (Part 1) Cl. 6.2.2.2
337	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Provisions for Earthing and Bonding	IS: 13252 (Part 1), IEC :60950 (Part 1) Cl. 2.6
338	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Provisions for Earthing and Bonding	IS: 13252 (Part 1), IEC :60950 (Part 1) Cl. 2.6
339	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Provisions for Earthing and Bonding	IS: 13252 (Part 1), IEC :60950 (Part 1) Cl. 2.6
340	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Provisions for Earthing and Bonding (upto 12V max)	IS: 13252 (Part 1), IEC :60950 (Part 1) Cl. 2.6
341	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Resistance to Fire	IS: 13252 (Part 1), IEC:60950 (Part 1) Cl. 4.7.3.1 & 4.7.3.3
342	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	SELV Circuits	IS: 13252 (Part 1) , IEC: 60950 (Part 1) Cl. 2.2

This is annexure to 'Certificate of Accreditation' and does not require any signature.



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
343	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Stability Test	IS: 13252 (Part 1), IEC :60950 (Part 1) Cl. 4.1
344	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Thermal Requirements	IS: 13252 (Part 1), IEC :60950 (Part 1) Cl. 4.5
345	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Touch Current and Protective Conductor Current	IS:13252 (Part 1), IEC: 60950 (Part 1) Cl. 5.1
346	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Verification of Marking and Instructions	IS: 13252 (Part 1), IEC :60950 (Part 1) Cl. 1.7
347	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Wiring Terminals for Connection of External Conductors	IS: 13252 (Part 1), IEC :60950 (Part 1) Cl. 3.3
348	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Wiring, Connections and Supply-General Requirement	IS: 13252 (Part 1), IEC :60950 (Part 1) Cl. 3.1