

**TESTING FOR CII MARK
ELECTRICAL**



S. No	Products	IS /IEC Standards
A.	LAMPS, LUMINAIRES AND ACCESSORIES	
1.	Self-ballasted LED Lamps for General Lighting Services - Performance Requirements	IS 16102 (Part 2) / IEC 62612
2.	LED Luminaire - Performance Requirements	IS 16107 (Part 2/Sec 1) / IEC 62722-2-1
3.	Self-Ballasted Lamps for General lighting Services – Performance Requirements	IS 15111 (Part 2) /IEC 60969
4.	D.C. Or A.C. Supplied Electronic Control Gear For Led Modules — Performance Requirements	IS 16104 / IEC 62384
5.	Self Ballasted Lamps for General Lighting Services to Safety Requirements	IS 15111 (Part 1) /IEC 60968,
6.	Self-ballasted LED Lamps for General Lighting Services - Pe Requirements	IS 16102 (Part 1) /IEC 62560
7.	Self-ballasted LED Modules for General lighting Services - Safety Requirements	IS 16103 (Part 1) /IEC 62031
8.	Safety of Lamp Control Gears – d.c. or a.c. Supplied Electronic Control gear for LED Modules	IS 15885 (Part 2/Sec 13) / IEC 61347-2-13
9.	Luminaires: General Requirements and Tests: Section 1: Fixed luminaires Section 2: Recessed luminaires Section 3: Luminaires for road and street lighting Section 4: Portable general purpose I luminaires Section 5: Floodlights Section 6: Handlamps Section 7: Lighting chains Section 8: Emergency Lighting	IS 10322(Part1) IS 10322(Part 5/Section 1) IS 10322(Part 5/Section 2) IS 10322(Part 5/Section 3) IS 10322(Part 5/Section 4) IS 10322(Part 5/Section 5) IS 10322(Part 5/Section 6) IS 10322(Part 5/Section 7) IS 10322(Part 5/Section 8)
10.	Tubular Fluorescent Lamps for General Lighting Services	IS 2418 (Part 1)
B.	BATTERIES:	
11.	Secondary cells and batteries containing alkaline or other non-acid electrolytes : Safety requirements	IS 16046/ IEC 62133

	for Portable Sealed secondary cells, and batteries made from them, for use in portable application	
12.	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications	IS 16047/IEC 61960
13.	Secondary Cells and batteries for photovoltaic energy systems (PVES)- General requirements and methods of test	IEC 61427
14.	Stationary Valve Regulated Lead Acid Batteries-Specification	IS 15549
15.	Stationary Lead-Acid Batteries (With Tubular Positive Plates) in Monobloc Container-Specification	IS 13369
16.	Secondary Cells and batteries for solar photovoltaic application- General requirements and methods of test	IS 16270
C.	DOMESTIC ELECTRICAL APPLIANCES	
17.	Household Electrical Appliances	IS-302-1/IEC-60335–1
18.	Electrical Shavers, Hair Clipper and Similar Appliances	IS 302-2-8/IEC 60335-2-8
19.	Frying Pans, Deep Fat Fryers and Similar Appliances	IS 302-2-13/IEC 60335-2-13
20.	Electric Kitchen Machines	IS 302-2-14 /IEC 60335-2-14
21.	Stationary Storage Electric Water Heater	IS 302-2-21/IEC 60335-2-21
22.	Appliances for Skin or Hair Care	IS 302-2-23 /IEC 60335-2-23
23.	Electric Instantaneous Water Heaters	IS 302-2-35/IEC 60335-2-35
24.	Electric Immersion Water Heaters	IS 302-2-201/IEC 60335-2-74
25.	Specification for Domestic Electric Food Mixers (Liquidizers and Grinders)	IS 4250
26.	Method of Measurement for the power consumption of Household electrical appliances	IEC 62087
D.	MEASURING INSTRUMENTS: ELECTRICAL AND ELECTRONIC (STATIC) ENERGY METERS	
27.	Electricity Metering Equipment (AC) – General Requirements, Tests and test Conditions – Product Safety Requirements and Tests	IEC 62052-31

ELECTRONICS



S. No	Products	IS /IEC Standards
A. SAFETY TESTING FACILITY		
1.	Automatic Line Voltage Correctors (Step Type) for Domestic Use (Upto 5 kVA)	IS 8448
2.	Servo-motor operated automatic line voltage correctors (20kVA) for single phase	S 9815 (Part 1)
3.	Safety of power converters for use in photovoltaic power systems- Part 1: General Requirements (Up to 20kVA)	IEC 62109-1/IS 16221(Part 1)
4.	Safety of power converters for use in photovoltaic power systems- Part 2: Particular requirement for inverters (Upto 20kVA single phase)	IEC 62109-2/IS 16221(Part 2)
B. IT EQUIPMENT		
5.	Information Technology Equipment Including Electrical Business Equipment	IS 13252(Part 1)/IEC-60950-1
C. AUDIO EQUIPMENT		
6.	Audio/video, information and communication technology equipment –Part 1: Safety requirements	IEC 62368-1
7.	Method of Measurement for the power consumption of audio, video and related equipment	IEC 62087
8.	Audio, Video and Similar Electronic Apparatus –Safety Requirements	IS 616/ IEC-60065
D. MEDICAL ELECTRICAL EQUIPMENT		
9.	Medical Electrical Equipment – Part 1: General Requirements for Basic Safety and Essential Performance	IS 13450(Part1)/ IEC-60601-1

10.	Medical electrical equipment –Part 2-41: Particular requirements for the safety of surgical luminaires and luminaires for diagnosis	IEC 60601-2-41
11.	Medical electrical equipment –Part 2-46: Particular requirements for the basic safety and essential performance of operating tables	IEC 60601-2-46
E.	ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	
12.	Mobile Phone HandsetsPart 3 Indian Language Support for Mobile Phone Handsets – Specific Requirements	IS 16333 (Part 3)
F.	EMC TEST FACILITY	
13.	ElectrostaticDischarge Test	IEC 61000-4-2 /IS14700,(Part4/Sec2)
14.	Conducted Emission Test	Different IEC/EN Standards
15.	Radiated Magnetic field Emission Test	
16.	Harmonic current Emission test	
17.	ElectrostaticDischarge Immunity Test	