

ARRAA Labs

NABL & CDSCO Accredited Testing Lab



ARRAA Labs

Your Global Partner in EMI/EMC, Environmental, and Vibration Testing.

As an independent NABL testing laboratory, ARRAA Labs specializes in inspection, certification, and testing services across a broad range of mechanical, electrical, and electronic product manufacturing industries.

Our world-class services cater to clients worldwide, ensuring top-notch EMI/EMC, environmental, and vibration testing.

SCOPE

- EMI/EMC Testing
- Environmental Testing
- Vibration Testing
- Testing Certification
- Pre compliance
- Propose a solution



UNIQUE EXPERTISE

- Worldwide Testing Services
- Premium Equipment's
- Global Standards
- Seismic Testing
- IEC 61004-16
- Magnetic Field Test

ARRAA ENERGY PVT LTD

16/1A1, Pudhuper pallam Village
Nandhampakkam(PO),
Kundrathur Chennai - 600 069.



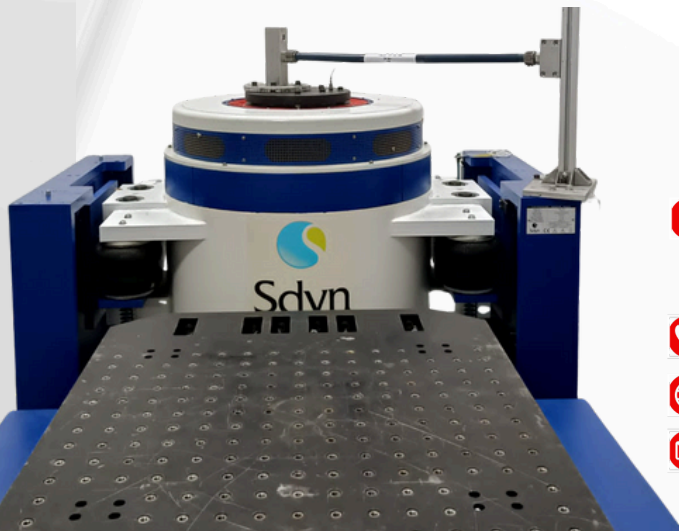
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EMI/EMC Test

Standards Name	Standards No
Electrostatic Discharge (ESD)	IEC/BS EN 61000-4-2
Electrical Fast Transient (EFT)	IEC/BS EN 61000-4-4
Surge Immunity test	IEC/BS EN 61000-4-5
Impulse Magnetic Field Immunity Test	IEC/BS EN 61000-4-9
Ring Wave Immunity	IEC/BS EN 61000-4-12
Damped Oscillatory Wave Immunity test.	IEC/BS EN 61000-4-18
Damped magnetic field immunity test.	IEC/BS EN 61000-4-10
Limit for Harmonics Current Emission Test	IEC/BS EN 61000-3-2
Voltage Fluctuations, and flicker test	IEC/BS EN 61000-3-3
Power Frequency Magnetic Field Test	IEC/BS EN 61000-4-8
Ripple on d.c. input power port test	IEC/BS EN 61000-4-17
DC Voltage Dips	IEC/BS EN 61000-4-29
AC Voltage Dips	IEC/BS EN 61000 4-11
Conducted Disturbances, Radio-Frequency Fields	IEC/BS EN 61000-4-6
Conducted, common mode disturbances	IEC/BS EN 61000-4-16

Railways Standards

Standards Name	Standards No
Rolling stock, Apparatus-(Railway)	IEC 62236-3-2
	BS EN 62040-2
	IEC 60571, IEC 61373

Lift's Standards

Standards Name	Standards No
Lifts, escalators and moving walks	BS EN 12016:2013

ENVIRONMENTAL TESTS

Standards Name	Standards No
Dry Heat Test	IEC/ BS EN 60068-2-2
Cold Test	IEC /BS EN 60068-2-1
Damp Heat, Steady State	IEC/BS EN 60068-2-78
Damp Heat, Cyclic	IEC/ BS EN 60068-2- 30
Change of Temperature	IEC/ BS EN 60068-2-14
Electronic and Electrical Equipment (Defense)	JSS 55555:2020
Environmental Engineering Considerations & Laboratory Tests	MIL STD 810H:2022

Industrial/ Residential Standards

Standards Name	Standards No
Residential, Commercial and Light-Industrial Environments	IEC 61000-6-1
Industrial Environments	IEC 61000-6-2
Power Station and Substation	IEC 61000-6-5
Measurement, Control and Laboratory Use	IEC 61326-1
UPS	BS EN 62040-2
Metering	IEC 62052-II
Safety of machinery	IEC 61496-1
Lighting	IEC 61547

Power Drive Standards

Standards Name	Standards No
Electrical Power Drive	BS EN 61800-3
	BS EN 61800-5-1

Medical Standards

Standards Name	Standards No
Medical Electrical Equipment/IVD	IEC 60601-1-2

VIBRATION TESTS

Standards Name	Standards No
Vibration (Sinusoidal)	IEC/BS EN 60068-2-6
Vibration, Broadband Random	IEC/BS EN 60068-2-64
Seismic (Sinusoidal)	IEC/BS EN 60068-3-3
Shock & Bump	IEC/BS EN 60068-2-27

Telecommunication Standards

Standards Name	Standards No
Telecommunication network equipment's	ETSI EN 300 386 V2.2.0
Mobile terminals and ancillary equipment	ETSI TS 138 124 V15.2.0
Audio/video Equipment	IEC 62368-1
Radio equipment	ETSI EN301 489-1 V2.2.3
Maritime navigation and radiocommunication	IEC 60945

Relays Standards

Standards Name	Standards No
Measuring relays and protection equipment	IEC 60255-26
	IEC 60255-1,
	IEC 60255-21-1,2,3

Automotive Standards

Standards Name	Standards No
Automotive Vehicles	AIS-004