

SOLAR POWER PLANT SERVICES!

WHY OUR SERVICES ?

Solar PV Plant is a high Voltage network equipment which requires 24/7 attention to ensure high reliability of power generation and optimized yield.

Testing and Assessment of SPV Plant with our unique approach based on National and International standard will offer best performance of SPV Plants with increased savings.

Our Test service Regime of standards:

- IEC 62446-1
- IEC 60364-6
- IEC 62548
- IS 16960 (Part 1)
- IEC 62446-3
- IS 16960 (Part 3)

Our Expertise....



Commissioning Test



Performance Analysis



Solar & Electrical Investigation



Solar Plant Maintenance



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Our Scope of Services...

COMMISSIONING TEST

- Test Regime as per Cat I and Cat II of IS 16960-1:2018
- Wet Insulation Test
- Earth Protection System (EPS) & Lightning Protection System (LPS)
- AC-DC Protection System

PERFORMANCE TEST

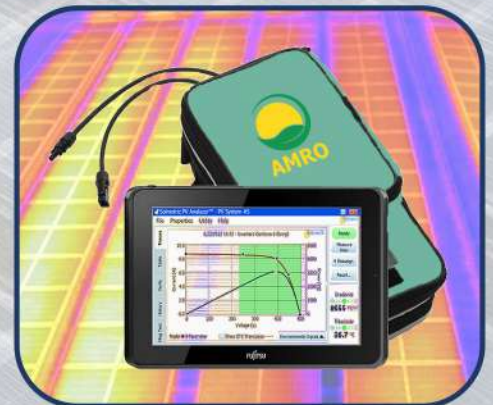
- PV array Test, Module Derating Test
Peak Power and Maximum Voltage-Current Test
(P_{max} , I_{max} , V_{max})
- Soiling Effect Loss
- Shut Current, Series Resistance Test

INVESTIGATION TEST

- PV string Open Circuit
- Short Circuit Test-Specialized PV Test
- PV array Insulation Test
- Infrared Camera Inspection Test as per IEC 62446-3 & IS 16960-Part1
- Impedance Spectroscopy, Array Defects, Shading Loss, Cable Loss, Earth-Neutral Leakage Loss, Wet leakage loss
- Module-Cell Defect Test

MAINTENANCE TEST

- Emergency Equipment and Safety Equipment Inspection
- Inspection of DC Side components as per IEC 62446
- Inspection of AC Side components as per IEC 60364-6
- Operational Inspection :String Current-Voltage/ Earth Conductance-Resistance/ Distribution System/ Conduit-Cabling/Connector
- Functional Inspection of Switchgear/Distribution System/LT Side Panel/ Transformer



Compliance to :



NABL



Fraunhofer



Partnering with :



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