

VERIFICATION & VALIDATION

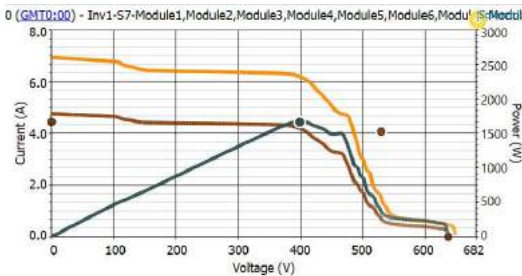
UNRIVALLED EXPERIENCE IN FAULT DIAGNOSTICS AND OUTPUT ESTIMATION

We utilise state of the art module and string analysing technology, shading analysis and thermographic systems to prepare accurate and reliable performance and output estimates. We also assess the performance of existing systems and run fault diagnostics on any under-performing installations.

Experience has shown that in the haste to install PV systems in anticipation of Feed-in Tariff and ROC digression, many of the installed PV systems were subject to teething issues and sub-optimal performance outputs. LHW Partnership can offer in-depth analysis and fault diagnostics services to help improve deficiencies and overall performance of existing solar PV systems.



UNDERPERFORMING PV SYSTEMS



Causes of underperforming PV systems typically result from installation or on-site issues however some issues can be traced back to the design stages. Common causes include: design, inverter selection, shading, cable sizing, stringing, connectors, inverter settings & software, relay settings, electrical installation and communication issues.

We offer post-installation verification assessments of PV systems, providing customers with the comfort in the knowledge that the system is safe, performing efficiently and delivering the expected returns on investment.

SERVICES

LHW PARTNERSHIP LLP OFFERS THE FOLLOWING SERVICES ASSOCIATED WITH SOLAR PV VERIFICATION & VALIDATION

- + Desktop Appraisal
- + System Design Verification (PVSystem, PV*Sol etc.)
- + Shading Analysis Modelling
- + Solar Module String Validation
- + Thermography Inspections
- + Inverter Settings Verification
- + Voltage Drop Analysis
- + Monitoring & Data Advice
- + Maintenance Advice
- + Fault Diagnostics
- + Routine Preventative Maintenance
- + Repairation Management
- + Insurance Assessments
- + Post-installation Inspections

