

Introducing the Fluke Solmetric PVA-1500 Series PV Analyzer I-V Curve Tracer

Powerful and efficient solution designed for I-V curve tracing and PV performance verification in solar PV arrays, providing the golden standard for accurate and fast measurements, ease of use, and advanced high efficiency features to maximize the return on investment for PV systems.



The Fluke Solmetric PVA-1500 is a cutting-edge I-V curve analyzer kit designed to ensure accurate energy measurement and optimal system function. With this high-precision testing equipment, you can reliably assess the health and efficiency of your solar modules, making informed decisions to enhance their output and longevity.

The PVA-1500 offers an array of advanced features, including rapid I-V curve tracing, providing quick and detailed performance data. Its intuitive user interface enables easy navigation and real-time analysis, allowing for immediate identification of potential issues. By pinpointing problems early, you can maximize your solar energy production and minimize downtime.

Value Proposition

For	Solar Technicians working in installation/commissioning and O&M (utility)
a	Best-in-class 1500 V I-V Curve Tracer

That	Provides I-V curves and PV performance verification with unprecedented measurement throughput for fast measurements on a wide variety of PV modules, including high efficiency ones (<i>HE2 model only</i>).
Because of	<ul style="list-style-type: none"> • Built-in PV performance modeling and advanced wireless irradiance, temperature and tilt sensing • HE2 model measures high efficiency strings up to a full 30A • Unprecedented measurement throughput with sweep-to-sweep delays as low as 9 seconds • Saves time through automated data analysis and reporting, streamlining the process of obtaining and interpreting measurement results

Software

Capture data in the field with the PV Analyzer Application and validate the results with the Data Analysis Tool (DAT), a Microsoft Excel™-based solution streamlining the analysis of PV Analyzer I-V curve data. It presents analysis results in multiple formats. It compiles key PV parameters in a string table, flags non-conforming strings, and delivers a statistical overview of the entire array. Additionally, it visually combines string I-V curves at the combiner box level, offering a clear depiction of consistency and identifying atypical strings. The tool also generates histograms for PV parameters across the string population, and this data can be added to a customizable report exported as a PDF. The DAT can be downloaded for free use with any PV Analyzer. Languages supported at launch: English, French, Spanish, German, Italian, Traditional Chinese, Simplified Chinese, and Brazilian Portuguese.

Training

Fluke will be offering a variety of training and expert services related to PVA-1500 test and measurement. Training can either be delivered as a virtual course or as a live online presentation/discussion format with a product expert (regional variation may apply).

Module Lift™

The Module Lift™ is an additional Solmetric accessory unrelated to the use of the PVA-1500 Series. It is designed to safely lift PV modules onto rooftops with the use of a ladder, preventing damage to the module.



PVA Kits

	Thermography Kit	Clamp and Multimeter Kit	Insulation, Clamp and Multimeter Kit	Insulation Testing 2500V Kit
Solmetric PVA-1500HE2	•	•	•	•
Fluke TiS75+	•			
Fluke 393 FC		•	•	
Fluke 87V		•	•	
Fluke 1587 FC			•	
Fluke 1537				•

Fluke Premium Care Features

Introducing Fluke Premium Care – Reduce unforeseen expenses and maximize the efficiency of your tools. Our coverage is designed to prevent unexpected downtime caused by damaged test equipment, accessories, or tools in need of calibration or repair. With Fluke Premium Care, ensure continuous performance, extend the lifespan of your valuable instruments, and enjoy complete peace of mind, knowing that we've got you and your tools covered.

	Standard Warranty	Premium Care–Standard
Repair manufacturing defects	✓	✓
Annual calibration or performance test		✓
Accidental damage repair		✓
Expedited calibration and repair		✓
Expedited freight		✓
Replacement of damaged accessories		✓
Software updates		✓
Priority tech support		✓

Note: FPC will not be available globally at launch