

Recommended solar power solutions

Fluke Connect

Best suited for:

- Simplifying preventive maintenance programs
- Seamlessly integrating tool data into software
- Diagnosing asset health in the field
- Cloud-based data sharing



Clamp meters

Best suited for:

- Voltage and current measurements with FieldSense™ technology
- Power quality indicator shows whether a problem is in the equipment or the power line
- Complete 3-phase measurements in quick, easy steps
- Visual Continuity provides a bright green screen for easy detection of continuity in noisy work areas.



Power quality analyzers

Best suited for:

- Troubleshooting and preventing problems in power generation, transmission and distribution systems
- Conducting load studies to reduce energy usage



Insulation testers

Best suited for:

- Incorporates VFD low-pass filter for accurate variable frequency motor drive measurements Includes auto-discharge of capacitive voltage for added user protection
- Measures ac/dc voltage, dc millivolts, ac/dc milliamps, resistance, and continuity
- Includes capacitance, diode test, temperature, min/max, frequency measurements and insulation test



Digital multimeters

Best suited for:

- Combiner box and inverter installation and troubleshooting
- Quick voltage detection
- Environments with both AC and DC or ghost voltages



Earth ground

Best suited for:

- Confirmation that the earth resistance meets safety compliance
- Validation that the grounding system has not deteriorated



Thermal imagers

Best suited for:

- Inspection of PV modules for troubleshooting polarity, electrical panels, and breaker panels for detection of “hot spots”
- Monitoring cooling fluid levels such as dielectric oils for transformers



Clean Tech

Best suited for:

- Solar panels, combiner boxes, and inverter boxes
- On-location I-V curve results
- Optimizing placement of solar power systems and window efficiency



Insulated hand tools

Best suited for:

- 1000 V AC and 1500 V DC
- Critical part of NFPA 70E



Battery analyzers

Best suited for:

- Troubleshooting and performance testing on stationary batteries and battery banks
- Designed for measurement on stationary batteries of all types



Solar – Commercial and Residential

Solar energy is becoming one of the world's fastest-growing sources of power – making the first time that solar energy's growth has surpassed that of all other fuels. Solar technology is improving, and the cost of going solar is dropping rapidly. Solar technicians and managers need to be able to install and service equipment quickly, safely and efficiently for both residential and commercial clients.

Fluke tools perform like champions in the most challenging commercial and residential solar environments.

You can depend on Fluke tools to keep your world up and running.

Solar Advisor

- Focus:**
- Mechanical and electric design
 - Troubleshooting
- Job needs:**
- ▲ Irradiance meter
 - Digital multimeter
 - Clamp meter
 - Temperature/Thermal

Solar Technician/Installer

- Focus:**
- Mechanical and electrical design
 - Conduct commissioning
 - Troubleshooting
- Job needs:**
- ▲ Irradiance meter
 - Digital multimeter
 - Clamp meter
 - Temperature/Thermal
 - Insulation and power quality
 - ▼ Earth ground
 - Insulated hand tools

Operations and Maintenance Manager

- Focus:**
- Lead preventative maintenance
 - Troubleshooting
 - Monitoring
- Job needs:**
- ▲ Irradiance meter
 - Digital multimeter
 - Clamp meter
 - Temperature/Thermal
 - Insulation and power quality
 - ★ Battery analyzer
 - Insulated hand tools
 - ▼ Earth ground

PV Designer/Electrician

- Focus:**
- Conduct commissioning
 - Preventative maintenance
 - Troubleshooting
- Job needs:**
- ▲ Irradiance meter
 - Digital multimeter
 - Clamp meter
 - Temperature/Thermal
 - Insulation and power quality
 - ▼ Earth ground
 - Insulated hand tools

Solar solutions

Learn how Fluke solutions can save you time and money at www.fluke.com

PV Analyzers		Electrical Measurement Tools				Insulation and Power Quality			Temperature		Battery Analyzer	Earth Ground		Software		Accessories		
Multifunction PV tester	Irradiance meter	Digital multimeter	Clamp meter	Clamp meter	FC wireless multimeter kit	Insulation tester	Insulation tester	Power quality analyzer	Thermal imager	Temperature	Battery analyzer	Earth ground	Stakeless clamp	Fluke Connect™	TruTest™	Insulated hand tools	Test leads	Backpack
SMPT-1000	IRR2-BT	87V	378 FC	325	v3003FC Kit	1507	1587 FC	1777	PTi120	64 MAX	BT521	1625-2	1630-2					