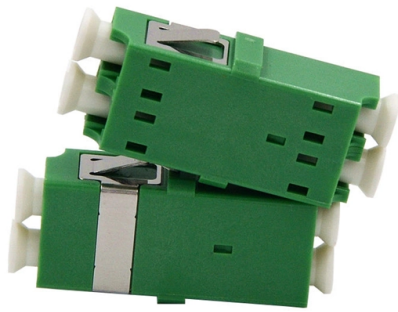


Photovoltaic-specific multimeter for measuring current



Article Overview

For measuring photovoltaic current, specialized solar multimeters or True-RMS digital multimeters like the Fluke 87V Max are recommended for accuracy, safety, and durability.

Key Features for PV Current Measurement

When selecting a multimeter for solar panels, consider the following:

- High DC Voltage Range: Solar arrays can produce voltages up to 1000-1500 V, so the multimeter must safely handle high-voltage DC systems .
- Current Measurement Capability: Look for meters that can measure DC current accurately, often with clamp adapters for non-intrusive measurement .
- True-RMS Function: Ensures accurate readings even with fluctuating or non-linear loads common in PV systems .
- Durability and Safety Ratings: Industrial-grade casing, IP67 waterproof/dustproof rating, and CAT III/IV safety ratings are essential for outdoor solar work .
- PV-Specific Functions: Some solar multimeters include features like irradiance measurement, module testing, and data logging to monitor system performance .

Recommended Multimeters

- Fluke 87V Max True-RMS Digital Multimeter: Highly durable, waterproof, and rated for high-voltage DC. Ideal for professional solar troubleshooting and outdoor use .
- Fluke 115 Digital Multimeter: Compact, versatile, and capable of measuring up to...

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Contact Us

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