



SOLAR MPPT METER UNI-T UT673PV

The **UNI-T UT673PV** is a specialized solar MPPT (Maximum Power Point Tracking) meter designed for monitoring and analyzing the performance of solar photovoltaic (PV) systems. It is a portable device that helps users measure key parameters of solar panels, such as voltage, current, power, and energy, to ensure optimal performance and efficiency.

Key Features:

1. **MPPT Functionality:**
 - Tracks the maximum power point of solar panels to ensure they operate at their highest efficiency.
2. **Measurement Parameters:**
 - **Voltage (V):** Measures the output voltage of the solar panel.
 - **Current (A):** Measures the current generated by the solar panel.
 - **Power (W):** Calculates the power output of the solar panel.
 - **Energy (Wh/kWh):** Tracks the total energy produced over time.
3. **Data Logging:**
 - Can store and record measurement data for later analysis.
4. **LCD Display:**
 - Features a clear, easy-to-read display for real-time monitoring of solar panel performance.
5. **Portable and Lightweight:**
 - Designed for easy transport and use in the field.
6. **Compatibility:**
 - Works with a wide range of solar PV systems.
7. **Safety Features:**
 - Includes overload protection and other safety mechanisms to protect the device and user.



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Typical Applications:

- Monitoring the performance of solar panels.
- Troubleshooting and diagnosing issues in PV systems.
- Optimizing the efficiency of solar installations.
- Educational and research purposes in renewable energy.

How to Use:

1. **Connect the Device:**
 - Attach the UT673PV to the solar panel or system using the appropriate connectors.
2. **Power On:**
 - Turn on the device and select the desired measurement mode.
3. **Monitor Data:**
 - Read the real-time data on the LCD display.
4. **Analyze and Record:**
 - Use the data logging feature to store and analyze performance over time.

Specifications:

- **Voltage Range:** Typically up to 1000V (check the manual for exact specifications).
- **Current Range:** Typically up to 10A or higher (check the manual for exact specifications).
- **Power Range:** Depends on the voltage and current measurements.
- **Energy Measurement:** Can measure in Wh (watt-hours) or kWh (kilowatt-hours).



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- **Accuracy:** High accuracy for voltage, current, and power measurements (exact values provided in the manual).

Notes:

- Always refer to the user manual for detailed instructions and safety guidelines.
- Ensure the device is compatible with your solar PV system before use.

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