

PROVA 200A PV Analyzer (60V, 6A)

CE CAT I 60V



Features:

- **I-V curve** test for solar panel/module
- Max. solar panel power (Pmax) search by auto-scan: **60V, 6A (180W capability)**
- Best resolution: **1mV, 0.1mA**
- **Manual single point** I-V test
- Max. voltage (Vmaxp) at Pmax
- Max. current (Imaxp) at Pmax
- Voltage at open circuit (Vopen)
- Current at short circuit (Ishort)
- I-V curve with cursor to display each data point
- **Efficiency (%)** calculation of solar panel
- Solar panel **area** setting: 0.001 m² ~ 9999 m²
- Standard **light source** setting: 10 W/m² ~ 1000 W/m²
- Communicate with PC via **USB cable**
- Min. power setting for **alarm** function
- Built-in calendar clock
- Built-in battery charging circuit
- AC power adapter
- Rechargeable **lithium battery**: 11.1V 1600mAh x 1pc.
- Memory size: **100 records**
- Large LCD with **backlight**
- **Application:**
 1. Quality control in the production line, warehouse, or site of installation.
 2. Identify the solar power system requirement.
 3. Maintenance of solar panels.
 4. Verify the best installation angle of solar panels

Electrical Specifications:

(23°C±5°C, four-wire measurement, the max. power limit is 180W)

DC Voltage Measurement:

Range	Resolution	Accuracy of Reading
0 ~ 6 V	0.001 V	±1% ± (1% of Vopen ± 9mV)
6 ~ 10 V	0.001 V	±1% ± (1% of Vopen ± 0.09V)
10 ~ 60 V	0.01 V	

Vopen: open circuit voltage of solar cell or module.

DC Current Measurement:

Range	Resolution	Accuracy of Reading
0.01 ~ 0.6 A	0.1 mA	±1% ± (1% of Ishort ± 0.9mA)
0.6 ~ 1 A	0.1 mA	±1% ± (1% of Ishort ± 9mA)
1 ~ 6 A	1 mA	

Ishort: short circuit current of solar cell or module.

Internal Resistance at Ishort: 0.05 Ohm.

DC Current Simulation*

Range	Resolution	Accuracy of Reading
0.01 ~ 1 A	0.1 mA	±1% ± 0.9mA
1 ~ 6 A	1 mA	±1% ± 9mA

* If current is greater than 6A, test (Auto-Scan, Scan, or Test) can not be performed.

* Max. duration of simulation is 9.999 seconds if power is less than 100W.

* Duration of simulation is 10m seconds if power is greater than 100W.

General Specifications:

Battery Type:	Rechargeable Lithium Battery (1600mAh)
AC Power Adapter:	AC 100V~240V input DC 15V / 1~3A output
Data Logging Memory Size:	100 records
Dimension:	257 (L) x 155 (W) x 57 (H) mm 10.1" (L) x 6.1" (W) x 2.2" (H)
Weight:	1160g / 40.0oz (Batteries included)
Operation Environment:	5°C ~ 50°C 85% RH

Temperature Coefficient:	0.1% of full scale / °C (<18°C or >28°C)
Storage Environment:	-20°C ~ 60°C 75% RH
Accessories:	User manual x 1 AC power adapter x 1 Rechargeable lithium battery x 1 Optical USB cable x 1 Software CD x 1 Software manual x 1 Carrying bag x 1 Kelvin clips (2 clips, 6A max) x 1 set 4-wire to 2-wire connector x 1 set

Kelvin Clip Connecting Diagram

