

PROVA 218

Solar Module Analyzer (Photovoltaic I-V Curve Tester)

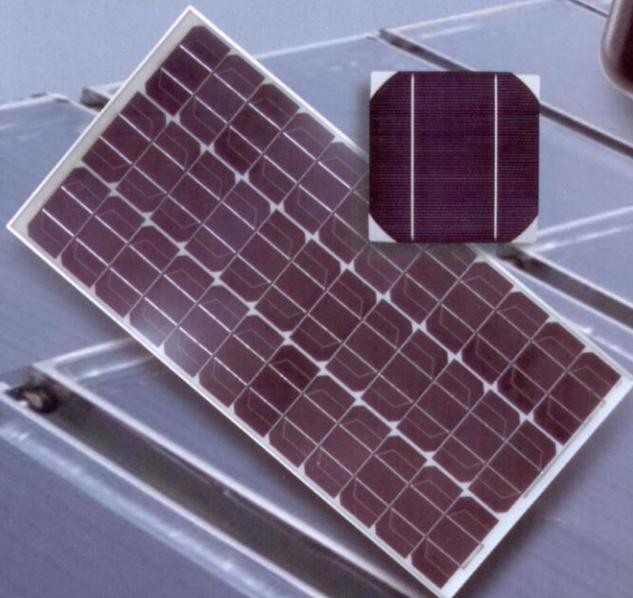
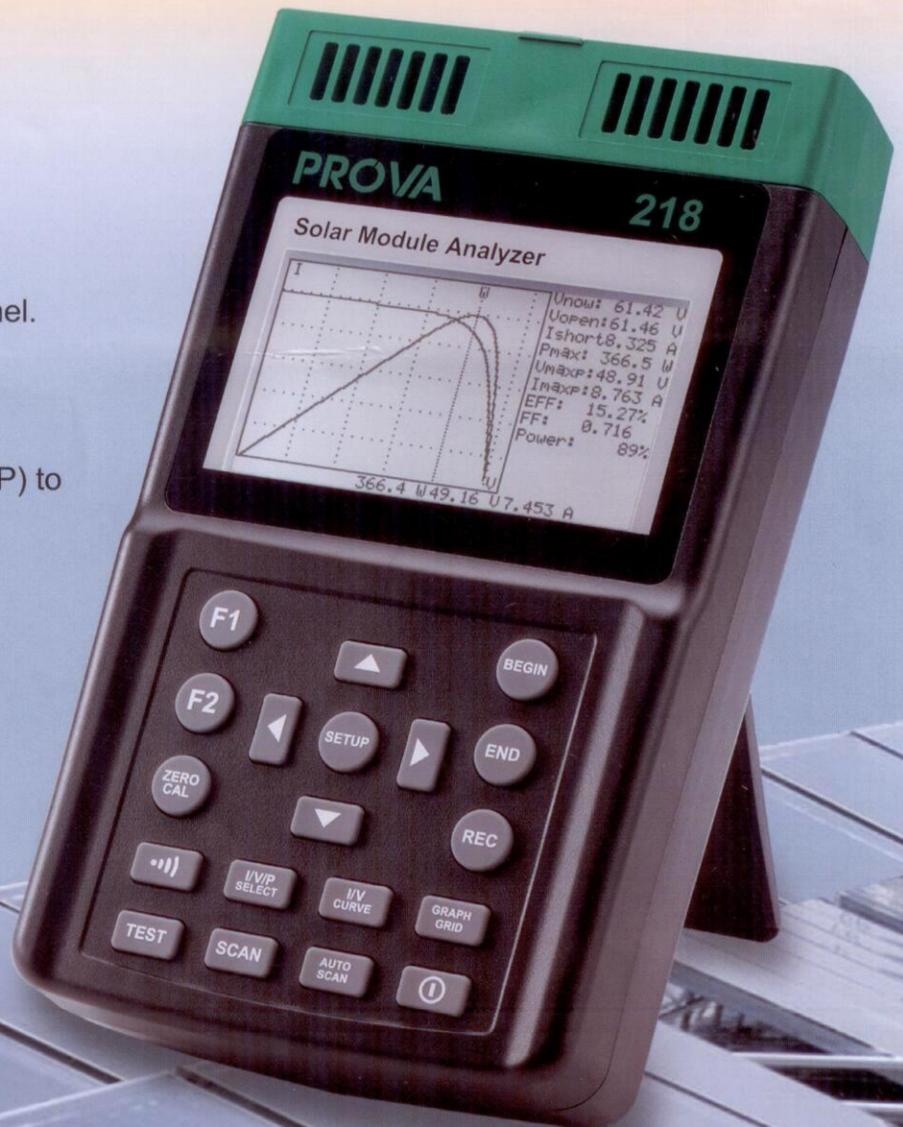
Features

- I-V Curve Test for Solar Module.
- Max. Solar cell/module Power (Pmax) search by auto-scan: 85V, 8.5A.
- Best Resolution: 1mV, 1mA.
- Manual Single Point I-V Test.
- Max. Voltage (Vmax) at Pmax.
- Max. Current (Imax) at Pmax.
- Voltage at open circuit (Vopen).
- Current at short circuit (Ishort).
- I-V curve with cursor.
- Efficiency (%) calculation of solar panel.
- Real time data logging (programmable from 0 to 99 min.).
- Optical USB cable for PC.
- Optional printer (model: 300XP/310XP) to hardcopy I-V curve.

Application Notes

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.

Quality Control, Identification, Maintenance, Verification!



CAT I 85V

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Electrical Specifications

(23°C ± 5°C, Four-wire Measurement, Max. Power Limit 500W)

DC Voltage Measurement :

Range	Resolution	Accuracy
0 - 10V	0.001V	± 1 % ± (1 % of Vopen ± 0.1 V)
10 - 85V	0.01V	± 1 % ± (1 % of Vopen ± 0.1 V)

Vopen : open circuit voltage of solar cell or module.

DC Current Measurement :

Range	Resolution	Accuracy
0.01 - 8.5 A	1 mA	± 1 % ± (1 % of Ishort ± 9 mA)

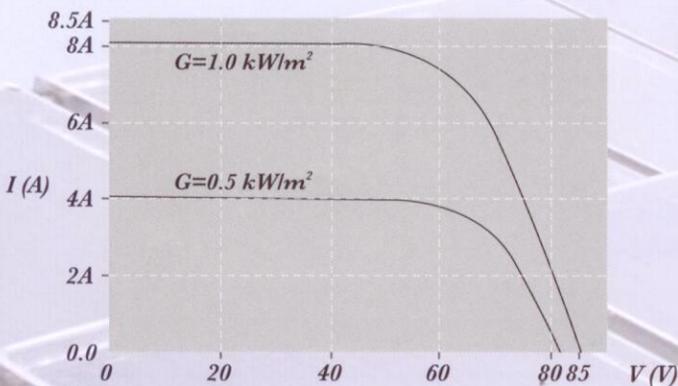
Ishort : short circuit current of solar cell or module.

DC Current Simulation :

Range	Resolution	Accuracy
0.01 - 8.5 A	1 mA	± 1 % ± 9 mA

General Specifications

AC Adaptor	AC 110V ~ 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 / 40.9oz (Batteries included)
Operation Environment	0°C ~ 50°C, 85% RH
Storage Environment	-20°C ~ 60°C, 75% RH
Accessories	User manual x 1, AC adaptor x 1 Rechargeable lithium battery (3400mAh) x 1 Optical USB cable x 1 Software CD x 1, Software manual x 1 Kelvin clips (12A max) x 1 set



Optional Printer



Kelvin Clips



Rechargeable Lithium Battery