

PROVA 200A/210 Solar Module Analyzer



FEATURES

- 60V, 6A (PROVA 200A)
60V, 12A (PROVA 210)
- I-V Curve Test for Solar Cell
- Max. Voltage (Vmaxp) and Max. Current (Imaxp) at Max. Power (Pmax)
- I-V Curve with cursor
- Calculation of Efficiency (%)



SPECIFICATION

Electrical Specifications 23 ± 5 , Four-wire Measurement

PROVA 200A (60V, 6A)

DC Voltage Measurement:

Range	Resolution	Accuracy
0–6V	0.001V	$\pm 1\% \pm (1\% \text{ of } V_{\text{open}} \pm 9\text{mV})$
6 - 10V	0.001V	$\pm 1\% \pm (1\% \text{ of } V_{\text{open}} \pm 0.09\text{V})$
10–60V	0.01V	$\pm 1\% \pm (1\% \text{ of } V_{\text{open}} \pm 0.09\text{V})$

DC Current Measurement:

Range	Resolution	Accuracy
0.01–0.6A	0.1mA	$\pm 1\% \pm (1\% \text{ of } I_{\text{short}} \pm 0.9\text{mA})$
0.6 - 1A	0.1mA	$\pm 1\% \pm (1\% \text{ of } I_{\text{short}} \pm 9\text{mA})$
1–6A	1mA	$\pm 1\% \pm (1\% \text{ of } I_{\text{short}} \pm 9\text{mA})$

DC Current Simulation:

Range	Resolution	Accuracy
0.01–1A	0.1mA	$\pm 1\% \pm 0.9\text{mA}$
1 - 6A	1mA	$\pm 1\% \pm 9\text{mA}$

PROVA 210 (60V, 12A)

DC Voltage Measurement:

Range	Resolution	Accuracy
0–10V	0.001V	$\pm 1\% \pm (1\% \text{ of } V_{\text{open}} \pm 0.1\text{V})$
10 - 60V	0.01V	$\pm 1\% \pm (1\% \text{ of } V_{\text{open}} \pm 0.1\text{V})$

DC Current Measurement:

Range	Resolution	Accuracy
0.01–10A	1mA	$\pm 1\% \pm (1\% \text{ of } I_{\text{short}} \pm 9\text{mA})$
10 - 12A	10mA	$\pm 1\% \pm (1\% \text{ of } I_{\text{short}} \pm 0.09\text{A})$

DC Current Simulation:

Range	Resolution	Accuracy
0.01–10A	0.1mA	$\pm 1\% \pm (1\% \text{ of } I_{\text{short}} \pm 0.9\text{mA})$
0.6 - 1A	0.1mA	$\pm 1\% \pm (1\% \text{ of } I_{\text{short}} \pm 9\text{mA})$

General Specifications:

Battery Type	Rechargeable Lithium Battery, 3400mAh	
Battery Life	400 times of linear scan from 60V to 0V and 0A to 12A	
Data Logging Memory Size	99 records PROVA 210	
AC Adaptor	AC 110V or 220V input	200: DC 12V / 1-3A output 210: DC 15V / 1-3A output
Dimension	257 (L x 155 (W x 57 (H mm	
Weight	1160 g / 40.0 oz (Batteries included)	
Operation Environment	0 - 50 , 85%RH	
Temperature Coefficient	0.1% of full scale / < 18 or >28	
Storage Environment	-20 - 60 75% RH	
Accessories	User manual x 1, AC adaptor x 1 Optical USB Cable x 1 Software CD x 1, Software Manual x 1 Kelvin Clips (6A max x 1 set (PROVA 200A Kelvin Clips (12A max x 1 set (PROVA 210) Rechargeable lithium battery x 1	
