

VOLTCRAFT - TOP PERFORMANCE IN EVERY WAY

For more than 40 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft's success.

VC121 PV SOLAR PANEL METER



Item no: 3200731

The product is a solar panel meter. Use the product to assess the performance of solar panels.

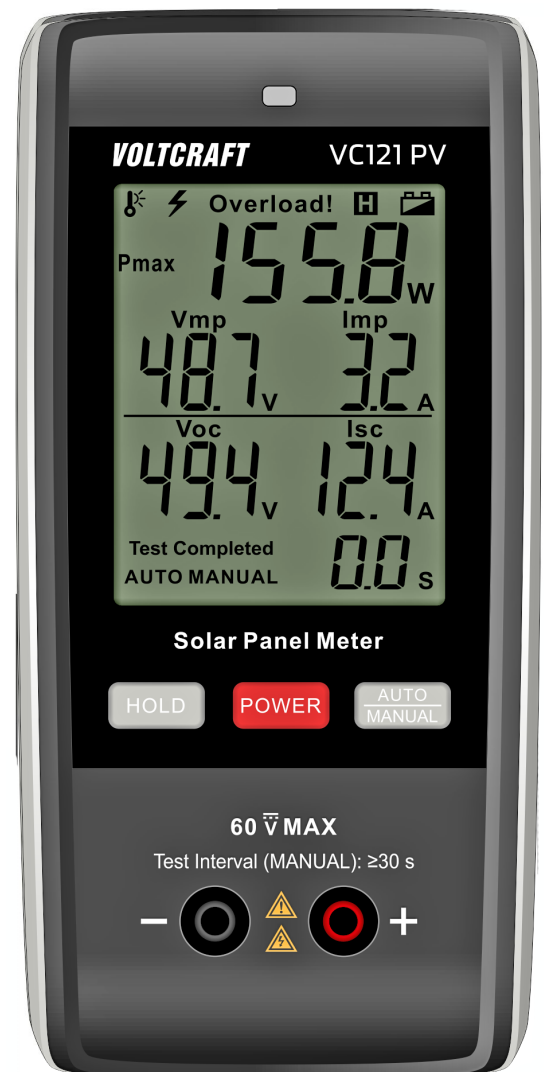
FEATURES

Overvoltage measurement category CAT 0 // Input voltage: max. 60 Vrms // Input current: max. 35 A // Input power: max. 800 W

TECHNICAL DATA

General

Standard	IEC61326-1, IEC61326-2-2
Battery	9V block battery
Battery life	10 h
Input voltage	max. 60 V/DC (between the + and - terminals)
Protection	Over temperature / Overvoltage / Overcurrent / Reverse connection / Overload
Overvoltage measurement category	CAT 0 (60 V)
Pollution degree	2
Measurement modes	Automatic/Manual
Operating temperature	+18 to +28 °C
Operating humidity	≤75 % RH (0 to +30 °C) ≤50 % RH (+30 to +40 °C)
Storage temperature	-10 to +50 °C (with battery removed)



Storage humidity	≤75 % RH (0 to +30 °C) ≤50 % RH (+30 to +40 °C)
Operating altitude	≤2000 m
Dimensions (W x H x D)	76 x 157 x 40 mm
Weight	approx. 246 g

Measurement parameters

Notes on accuracy

Accuracies are valid with standard light source conditions //

Accuracies are valid within ambient temperatures of +18 to +28 °C, relative humidity: ≤75% //

The ambient temperature fluctuation must remain within ±1°C // The input amplitude must be ≤60 V //

Accuracies are guaranteed for 1 year from the date of last calibration

Open-circuit voltage (Voc)

If the ambient temperature (t) is t < 18°C or t > 28°C, an additional temperature coefficient error of "0.1 × (specified accuracy)/°C" must be applied

Range	12 - 60 V/DC
Resolution	0.1 V/DC
Accuracy ±(a% of reading + b digits)	±(2.0%+7)
Input protection	61 Vrms

Maximum power point voltage (Vmp)

If the ambient temperature (t) is t < 18°C or t > 28°C, an additional temperature coefficient error of "0.1 × (specified accuracy)/°C" must be applied

Range	0 - 800 W
Resolution	0.1 W
Accuracy ±(a% of reading + b digits)	0 - 10 W: ±(1.5 % +7) 11 - 200 W: ±(2.8 % +7) 201 - 800 W: ±(2.8 % +14)
Input protection	If voltage ≥61 Vrms, the display shows "Over-load!"

Short-circuit current (Isc)

If the ambient temperature (t) is t < 18°C or t > 28°C, an additional temperature coefficient error of "0.1 × (specified accuracy)/°C" must be applied

Range	0 - 35 A
Resolution	0.1 A
Accuracy ±(a% of reading + b digits)	±(2.0%+7)
Input protection	If voltage ≥61 Vrms, the display shows "Over-load!"

Test leads

Connectors	Solar panel connector
Rating	CAT III 1500 V 20 A
Ingress protection	IP68
Certified by	TUV

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Solar panel meter // Test leads with solar panel connector (1 pair) //

Solar panel connector unlocking tool // 9V block battery // Operating instructions

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