

PSL-AU II

One unit optimized for fully automatic mass production

IV-CURVE **HIGH EFFICIENCY**
INSULATION TEST*
GROUND CONTINUITY TEST*
DIODE TEST*
ELECTROLUMINESCENCE*



PC controlled load simulation and IV curve measurement for solar modules
combined with Insulation, Ground Continuity and Diode Tests

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PSL-AU II

One unit optimized for fully automatic mass production

The PSL-AU II is designed for integration into fully automatic production systems for high output manufacturing.

The voltage and current measurement ranges are fixed according to customers production requirements.

Fast tests for insulation, diode testing and ground continuity as well as options for full insulation and ground continuity can be added optionally. Setup, measuring cycle and procedure instructions for safety tests are controlled via database entries.

Product Specification

- › Fixed current and voltage measurement ranges
- › Fast Insulation, Ground Continuity and Diode Test
- › 3 synchronously triggered precision A/D converters for I, V and Ref.
- › Full passive load simulation
- › Password protected setup and calibration
- › Database controlled program cycle
- › Software package includes classification, binning and handling interface
- › High Efficiency Tester Technology



* does not include power source for EL or EL imaging

Technical Data

Mechanical Data

Weight: approximately 20 kg

Dimensions: 150 x 490 x 370 (H x W x L in mm)

Electrical Data

Voltage: 110–240 V

Frequency: 50/60 Hz

Power: 180 W

Cable length

Connection terminal: 5.5 m with connector box

Frame: 4 cables each 5 m

IV-Curve

Measurement range V: 90 V*

Measurement range I: 18 A*

Measurement range Ref.: 80 mV*

A/D Converters: 3 x 12 Bit unipolar

Max. number of measuring points: 255

Accuracy per range: < 0.1 %

*measuring range can be adjusted to customer request

Fast Safety Tests

Insulation: 1 GΩ @ 1 kV for ≤ 10 seconds

Ground Continuity: 200 mΩ @ > 1 A for ≤ 1 second

Diode-Test: 5 V @ 1 A for ≤ 1 second

Switchable EL-Power: 200 V @ 25 A*
(power source not included)

Optional Test Equipment

HV Test: ≤ 6 kV @ 2 mA max*

Insulation Test: ≤ 6 kV at 2 mA max*

Ground Continuity: ≤ 40 A*

Diode Test: ≤ 40 A*

EL Power: 80 V @ 40 A*

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