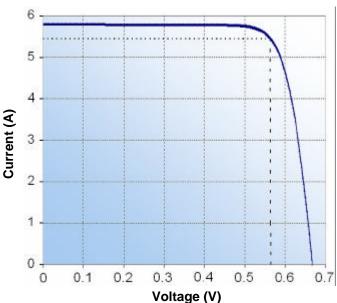
SUNPOWER

A-300 Solar Cell

Mono Crystalline Silicon





Construction: All-back contact

Dimensions: 125 mm x 125 mm - nominal

Thickness: $250 \mu m \pm 30 \mu m$

Typical Electrical Performance

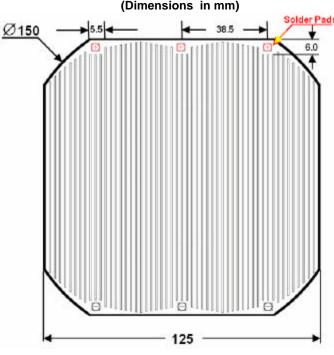
Open Circuit Voltage: 0.665 V
Short Circuit Current: 5.75 A
Maximum Power Voltage: 0.560 V
Maximum Power Current: 5.35 A
Rated Power: 3.0 W

Efficiency: 20.0% minimum

Temperature Coefficients

Voltage: $-1.9 \text{ mV} / ^{\circ}\text{C}$ Power: $-0.38 \% / ^{\circ}\text{C}$

Cell Backside View (Dimensions in mm)



Attributes

- High efficiency reduces module assembly and system installation costs
- Uniform front appearance—no contact grid
- Back contact design simplifies circuit assembly
- Lower temperature coefficient improves energy delivery

Packaging

- Cells are packed in boxes of 250 each grouped in shrinkwrapped stacks of 50 with interleaving
- Ten boxes are packed in a water-resistant "Master Carton" containing 2,500 cells suitable for air transportation
- Master Cartons are permanently labeled with cell tracking information and date of manufacture

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