

Electronic Component Solar Panels

Classic Application Series

The Classic Application Series offer a new opportunity to solve the old problem of limited power for wireless electronics designed for portable and remote applications. Classic Application panels are lightweight, paper thin, and durable.

Their ultra-thin profile enables them to be easily integrated into devices for solar recharging or for direct power. Panels have been specifically developed to recharge a variety of common battery sizes. These panels do not have a UV-stabilized surface, but are suitable for intermittent outdoor use.

Are you looking for a custom Electronic Component Solar Panel? We offer custom sizes, voltages, encapsulations and substrates.

Contact us at www.powerfilmsolar.com to learn more.

ONP1.2-12x24

Electrical Specifications:

Full Sun

Power: 4mW

Operating Voltage: 1.2V

Operating Current: 3.3mA

1/4 Sun

Power: 0.9mW

Operating Voltage: 1.2V

Operating Current: 0.7mA

All Levels

Average Voc: 1.6V

Maximum Voc: 1.9V

Isc: 4.3mA

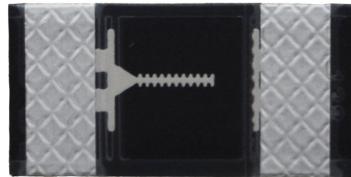
Physical Specifications:

Dimensions:

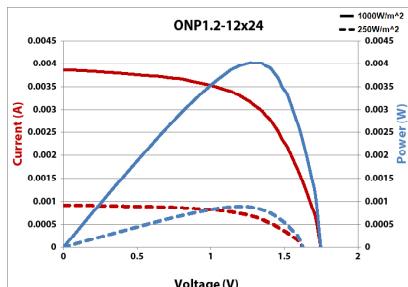
24.0 x 12.0 (mm)

0.94 x 0.47 (in)

Weight: 0.003oz / 0.09g



IV Curve



ONP1.2-37x54

Electrical Specifications:

Full Sun

Power: 70mW

Operating Voltage: 1.2V

Operating Current: 50.8mA

1/4 Sun

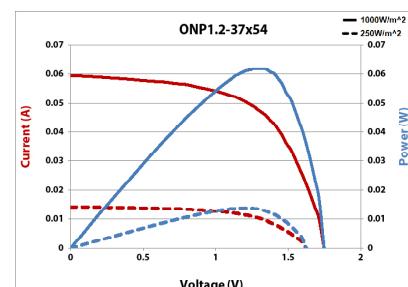
Power: 13.7mW

Operating Voltage: 1.2V

Operating Current: 11.4mA



IV Curve



PowerFilm® SOLAR

MADE IN THE USA

ONP2.4-15x94



Electrical Specifications:

Full Sun

Power: 45mW

Operating Voltage: 2.4V

Operating Current: 18.6mA

1/4 Sun

Power: 10.1mW

Operating Voltage: 2.4V

Operating Current: 4.2mA

All Levels

Average Voc: 3.2V

Maximum Voc: 3.7V

Isc: 24.2mA

Physical Specifications:

Dimensions:

94.0 x 14.6 (mm)

3.70 x 0.57 (in)

Weight: 0.01oz / 0.40g

SP3-37

Electrical Specifications:

Full Sun

Power: 66mW

Operating Voltage: 3.0V

Operating Current: 22mA

1/4 Sun

Power: 15mW

Operating Voltage: 3.0V

Operating Current: 5.0mA

All Levels

Average Voc: 4.1V

Maximum Voc: 4.6V

Isc: 28.0mA

Physical Specifications:

Dimensions:

64.0 x 36.5 (mm)

2.52 x 1.44 (in)

Weight: 0.02oz / 0.69g

MPT2.4-21



Electrical Specifications:

Full Sun

Power: 34mW

Operating Voltage: 2.4V

Operating Current: 14.2mA

1/4 Sun

Power: 7.7mW

Operating Voltage: 2.4V

Operating Current: 3.2mA

All Levels

Average Voc: 3.2V

Maximum Voc: 3.7V

Isc: 18.3mA

Physical Specifications:

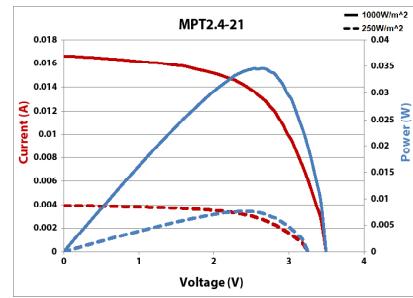
Dimensions:

54.0 x 20.9 (mm)

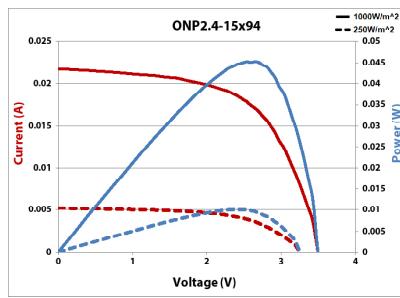
2.13 x 0.82 (in)

Weight: 0.02oz / 0.40g

IV Curve



IV Curve



MP3-25

Electrical Specifications:

Full Sun

Power: 93mW

Operating Voltage: 3.0V

IV Curve



Operating Current: 31mA

1/4 Sun

Power: 21mW

Operating Voltage: 3.0V

Operating Current: 7.0mA

All Levels

Physical Specifications:

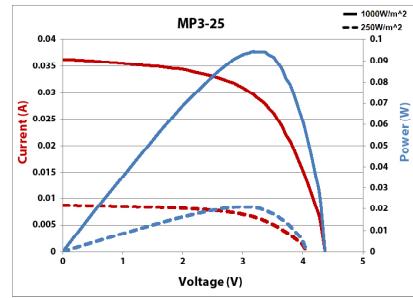
Dimensions:

114.0 x 24.0 (mm)

4.49 x 0.94 (in)

Weight: 0.02oz / 0.73g

IV Curve



Physical Specifications:

Dimensions:

64.0 x 36.5 (mm)

2.52 x 1.44 (in)

Weight: 0.02oz / 0.69g

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MP3-37

Electrical Specifications:

Full Sun

Power: 150mW

Operating Voltage: 3.0V

Operating Current: 50mA

1/4 Sun

Power: 34mW

Operating Voltage: 3.0V

Operating Current: 11.3mA

All Levels

Average Voc: 4.1V

Maximum Voc: 4.6V

Isc: 63mA

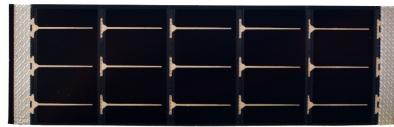
Physical Specifications:

Dimensions:

114.0 x 36.5 (mm)

4.49 x 1.44 (in)

Weight: 0.04oz / 1.11g



MPT3.6-75

Electrical Specifications:

Full Sun

Power: 180mW

Operating Voltage: 3.6V

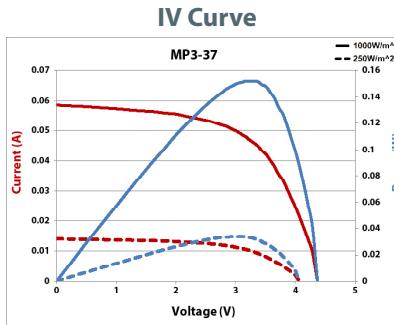
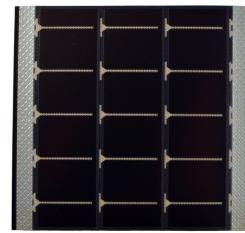
Operating Current: 50mA

1/4 Sun

Power: 41mW

Operating Voltage: 3.6V

Operating Current: 11.3mA

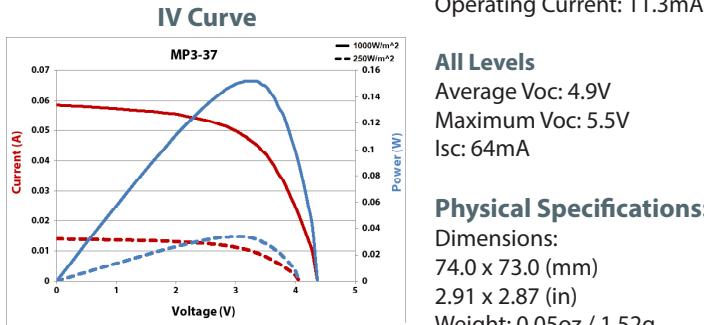


All Levels

Average Voc: 4.9V

Maximum Voc: 5.5V

Isc: 64mA



MPT3.6-150

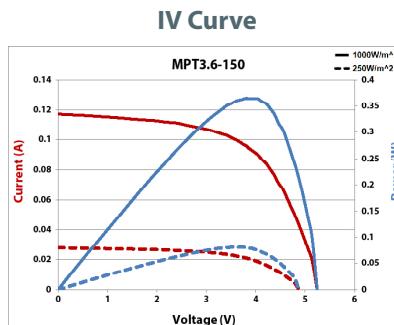
Electrical Specifications:

Full Sun

Power: 360mW

Operating Voltage: 3.6V

Operating Current: 100mA



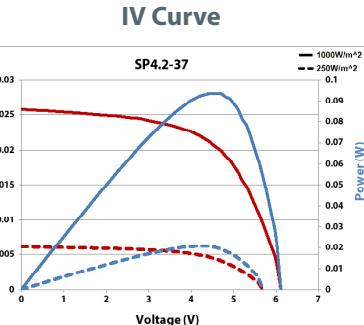
Physical Specifications:

Dimensions:

74.0 x 146.0 (mm)

2.91 x 5.75 (in)

Weight: 0.10oz / 2.90g



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MPT4.8-75

Electrical Specifications:

Full Sun

Power: 240mW

Operating Voltage: 4.8V

Operating Current: 50mA

1/4 Sun

Power: 54mW

Operating Voltage: 4.8V

Operating Current: 11.3mA

All Levels

Average Voc: 6.4V

Maximum Voc: 7.4V

Isc: 64mA

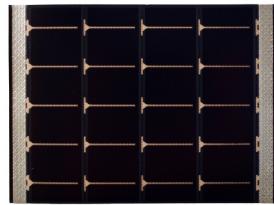
Physical Specifications:

Dimensions:

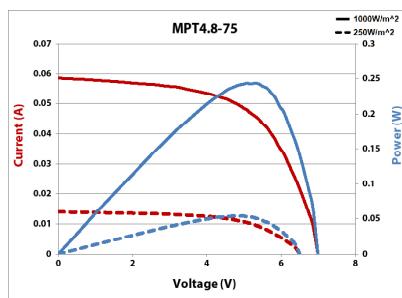
94.0 x 73.0 (mm)

3.70 x 2.87 (in)

Weight: 0.06oz / 1.86g



IV Curve



MPT4.8-150

Electrical Specifications:

Full Sun

Power: 480mW

Operating Voltage: 4.8V

Operating Current: 100mA



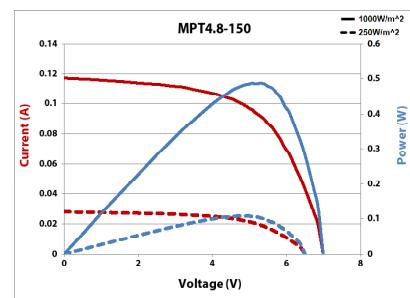
1/4 Sun

Power: 108mW

Operating Voltage: 4.8V

Operating Current: 22.5mA

IV Curve



MPT6-75

Electrical Specifications:

Full Sun

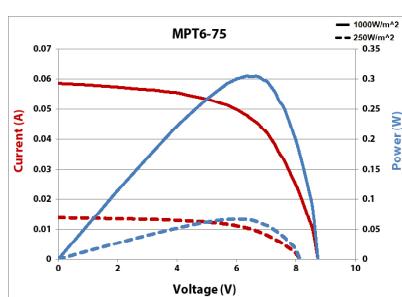
Power: 300mW

Operating Voltage: 6.0V

Operating Current: 50mA



IV Curve



MPT6-150

Electrical Specifications:

Full Sun

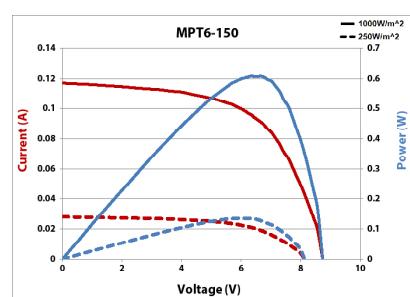
Power: 600mW

Operating Voltage: 6.0V

Operating Current: 100mA



IV Curve



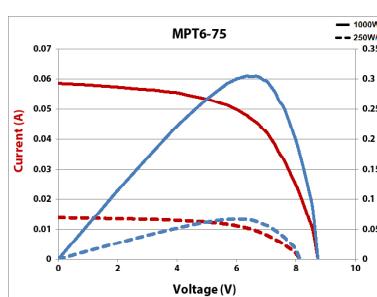
Physical Specifications:

Dimensions:

114.0 x 73.0 (mm)

4.49 x 2.87 (in)

Weight: 0.07oz / 2.14g



All Levels

Average Voc: 8.0V

Maximum Voc: 9.3V

Isc: 128mA

Physical Specifications:

Dimensions:

114.0 x 146.0 (mm)

4.49 x 5.75 (in)

Weight: 0.15oz / 4.35g

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MP7.2-75F

Electrical Specifications:

Full Sun

Power: 864mW

Operating Voltage: 7.2V

Operating Current: 120mA

1/4 Sun

Power: 194mW

Operating Voltage: 7.2V

Operating Current: 27.0mA

All Levels

Average Voc: 10.5V

Maximum Voc: 11.1V

Isc: 154mA

Physical Specifications:

Dimensions:

253.0 x 73.0 (mm)

9.96 x 2.87 (in)

Weight: 0.38oz / 11.04g

MPT15-75

Electrical Specifications:

Full Sun

Power: 770mW

Operating Voltage: 15.4V

Operating Current: 50mA

1/4 Sun

Power: 173mW

Operating Voltage: 15.4V

Operating Current: 11.3mA

All Levels

Average Voc: 19.0V

Maximum Voc: 22.2V

Isc: 64mA

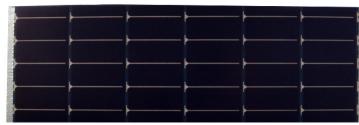
Physical Specifications:

Dimensions:

253.0 x 73.0 (mm)

9.96 x 2.87 (in)

Weight: 0.50oz / 14.17g



MP7.2-150F

Electrical Specifications:

Full Sun

Power: 1.73W

Operating Voltage: 7.2V

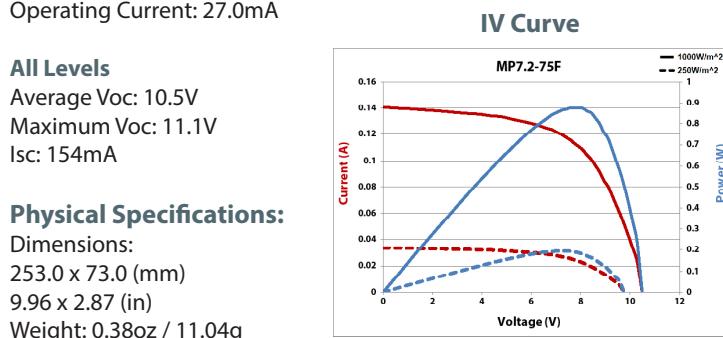
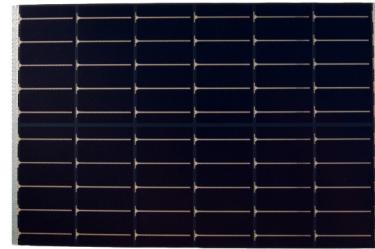
Operating Current: 240mA

1/4 Sun

Power: 389mW

Operating Voltage: 7.2V

Operating Current: 54.0mA



All Levels

Average Voc: 10.5V
Maximum Voc: 11.1V
Isc: 308mA

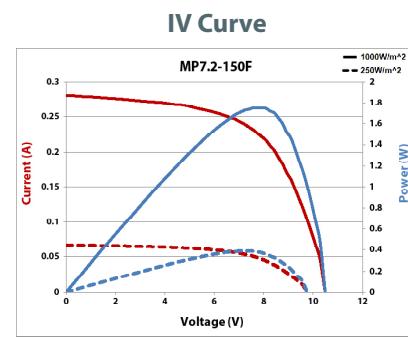
Physical Specifications:

Dimensions:

253.0 x 146.0 (mm)

9.96 x 5.75 (in)

Weight: 1.01oz / 28.68g



MPT15-150

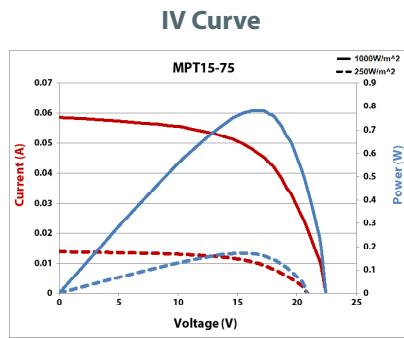
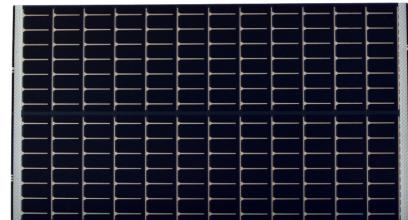
Electrical Specifications:

Full Sun

Power: 1.54W

Operating Voltage: 15.4V

Operating Current: 100mA



All Levels

Average Voc: 19.0V
Maximum Voc: 22.2V
Isc: 128mA

Physical Specifications:

Dimensions:

253.0 x 146.0 (mm)

9.96 x 5.75 (in)

Weight: 0.97oz / 27.50g

