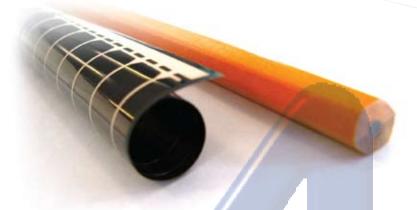
Thin Flexible Solar Panels

www.powerfilmsolar.com

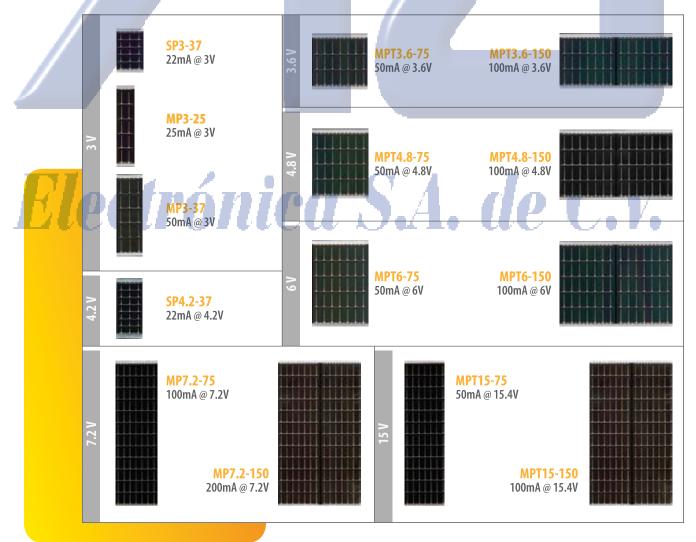


OEM Components

PowerFilm thin film photovoltaic products offer solutions that are durable, thin, lightweight, and flexible for both small-scale and large-scale power generation.

The PowerFilm® product line includes a wide range of standard products for diverse power requirements and application environments, as well as custom modules that can be designed and encapsulated for your specific needs.

PowerFilm Wireless Electronics Series Modules in the PowerFilm Wireless Electronics Series offer a new opportunity to solve the old problem of limited power for wireless electronics in both portable and remote electronic applications. PowerFilm Wireless Electronic modules are lightweight, paper-thin, and durable. Their thin profile enables them to be easily integrated with devices for solar-recharging or direct power. Modules have been specifically developed to recharge AA, AAA, 6 volt and 12 volt batteries. These modules do not have a UV-stabilized surface. For connecting, just solder or crimp to the tin-coated copper tape.



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MP3-25

MP3-37

MPT3.6-75

Operating 3 V Voltage Operating 25 mA Current Typical Voc 4.1 V Typical Isc 35 mA Total Size 114 mm x 25 mm (3.9 in x 1.0 in)

Solar Module 100 mm x 25 mm (3.9 in x 1.0 in) Aperture Size

Total Thickness 0.2 mm (8 mil)

Weight 0.8 g (0.03 oz)

Operating 3 V Voltage

Operating 50 mA Current

Typical Voc 4.1 V

Typical Isc 60 mA

Total Size 114 mm x 37 mm (4.5 in x 1.5 in)

Solar Module 100 mm x 37 mm (3.9 in x 1.5 in)

Aperture Size

Total Thickness 0.2 mm (8 mil)

Weight 1.2 g (0.04 oz)

Operating 3.6 V Voltage

Operating 50 mA Current

Typical Voc 4.8 V

Typical Isc 60 mA

Total Size 74 mm x 75 mm (2.9 in x 3.0 in)

Solar Module 60 mm x 75 mm (2.4 in x 3.0 in)

Aperture Size

Total Thickness 0.2 mm (8 mil)

Weight 1.6 g (0.06 oz)

MPT3.6-150

SP4.2-37

MPT4.8-75

Operating 3.6 V Voltage

Operating 100 mA Current

Typical Voc 4.8 ¥

Typical Isc 120 mA

Total Size 74 mm x 150 mm (2.9 in x 5.9 in)

Solar Module 60 mm x 150 mm (2.4 in x 5.9 in) Aperture Size

Total Thickness 0.2 mm (8 mil)

Weight 3.1 g (0.1 oz)

Operating 4.2 V Voltage

Operating 22 mA Current

Typical Voc 5.9 V

Typical Isc 30 mA

Total Size 84 mm x 37 mm (3.3 in x 1.5 in)

Solar Module 70 mm x 37 mm (2.8 in x 1.5 in) Aperture Size

Total Thickness 0.2 mm (8 mil)

Weight 0.8 g (0.03 oz)

Operating 4.8 V Voltage

Operating 50 mA Current

Typical Voc 6.4 V

Typical Isc 60 mA

Total Size 94 mm x 75 mm (3.7 in x 3.0 in)

Solar Module 80 mm x 75 mm (3.2 in x 3.0 in) Aperture Size

Total Thickness 0.2 mm (8 mil)

Weight 1.9 g (0.07 oz)

MPT4.8-150

Operating 4.8 V Voltage

Operating 100 mA Current

Typical Voc 6.4 V

Typical Isc 120 mA

Total Size 94 mm x 150 mm (3.7 in x 5.9 in)

Solar Module 80 mm x 150 mm (3.2 in x 5.9 in) **Aperture Size**

Total Thickness 0.2 mm (8 mil)

Weight 3.9 g (0.1 oz)