



Product Catalogue

Sunlink Energy's range of top quality solar panels challenges the current solar market bringing you highly efficient panels at affordable prices.

Sunlink Energy's beautiful 5W to 120W panels and accompanying charge controllers are optimised for off-grid use with 12V systems being compact, light yet strong, and easy-to-wire-up.

All modules are CE/ TUV/IEC/ ISO9001 certified.

You have our 5W, 10W and 20W panels suitable for keeping caravan, boat or car batteries topped up and powering small appliances such as lighting, radios and fans.

For medium power requirements such as keeping your motor home charged when away from a power supply you have our 40W and 50W panels.

For long-term off-grid living you have our 80W, 100W, 120W and 140W panels that can provide permanent power for lap-tops, televisions and fridges in caravans, boats and homes.

To help you choose the right panels for your needs, feel free to visit our website at www.sunlink-energy.com. This explains more about possible applications as well as giving important background information about solar power system.

And you can always contact the *sunlink energy's technical support at* email support@sunlink-energy.com. We will be happy to work with you to find the best solution.

We look forward to hearing from you.

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SEG-M5-5W

5 Watt MONOCRYSTALLINE SOLAR PANEL



Features

High performance, high efficiency monocrystalline silicon cells

3.2mm tempered glass and rigid anodised aluminium alloy frame giving exceptional strength

Voltage optimised for use in 12V systems and charging 12V batteries

5W 0 to+3% power output

Bypass diode to avoid hot-spot effect

4 x Non-slip Corner Protectors

25 years limited power warranty

Example Applications

Keeping your car, caravan or boat or motorbike battery topped up

Powering an electric fence or pond fountain

Low-power lighting

Powering a shed or garage ventilation fan

Charging a bait boat



Specific Attributes

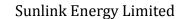


Low-iron tempered anti-reflecting glass, Back Surface Field (BSF) silicon nitride anti-reflective cell coating increase conversion efficiency

The backside's 5M cable to cancel your worry on using



Rigid anodised aluminium frame and toughened glass prevent damage due to frost, snow, hail and high winds.

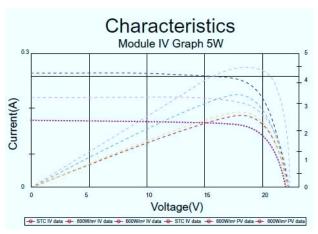




SEG-M5-5W

Electrical Output under Different Light Intensity and Temperature

Current-Voltage Relationship, variable light intensity



Temperature Dependence of Isc, Voc and Wp

Nominal operating cell temperature	45oC ±2oC
(NOCT)	
Temperature coefficient of Wp	-0.5±0.05%/oC
Temperature coefficient of Voc	-0.155±0.01%/oC
Temperature coefficient of Isc	0.06±0.01%/oC

Printed on recycled paper.

Electrical Characteristics under STC₁

Av 21.0V, sd 0.5
Av 16.8V, sd 0.4
Av 0.34A, sd 0.04
Av 0.3A, sd 0.02
5W +3%
-40oC to +85oC
1000V dc
0 to +3%
<i>f f f f f f f f f f</i>

¹ Standard Temperature and Conditions: 25_°C, AM 1.5, 1000W/m²

Mechanical Characteristics and Dimensions

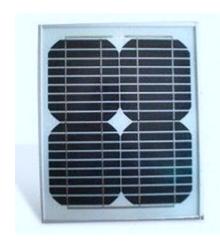
Solar cells	Monocrystalline
Dimensions	246*214*25mm
Weight	0.8kg
Front glass	3.2mm tempered glass
Frame	Anodised aluminium alloy

CAUTION:Read Safety And Installation.Instructions Before Using The Product. Go to www.sunlink-energy.com



SEG-M5-10W

10 Watt MONOCRYSTALLINE SOLAR PANEL



Features

High performance, high efficiency mono cells ensures high performance of solar module and create more power in peak hours

3.2mm tempered glass and rigid anodised aluminium alloy frame gives exceptional strength

Voltage optimised for use in 12V systems and charging 12V batteries

10W positive power output(tolerance is 0 to 3%)

Bypass diode to avoid hot-spot effect

25 years limited power warranty

Example Applications

Keeping your car, caravan, boat or motorbike battery topped up

Powering an electric fence or pond fountain Low-power lighting

Powering a ventilation fan - e.g. for a shed or garage

Charging a bait boat

Specific Attributes



Low-iron tempered anti-reflecting glass, Back Surface Field (BSF)

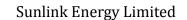


silicon nitride anti-reflective cell coating increase conversion efficiency.

The backside's 5M cable and 4 x Non-slip Corner Protectors to cancel your worry on using



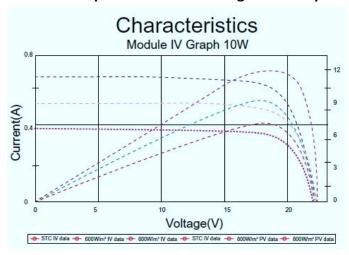
Rigid anodised aluminium frame and toughened glass prevent damage due to frost, snow, hail and high winds.





SEG-M6-10W

Electrical Output under Different Light Intensity and Temperature



Temperature Dependence of Isc, Voc and Wp

Nominal operating cell temperature	45oC ±2oC
(NOCT)	
Temperature coefficient of Wp	-0.5±0.05%/oC
Temperature coefficient of Voc	-0.155±0.01%/oC
Temperature coefficient of Isc	0.06±0.01%/oC

Printed on recycled paper.

Electrical Characteristics under STC₁

Open-circuit voltage (Voc)	Av 21.0V, sd 0.5
Voltage at maximum power (Vmp)	Av 16.8V, sd 0.4
Short-circuit current (Isc)	Av 0.68A, sd 0.04
Optimum operating current (Imp)	Av 0.60A, sd 0.02
Maximum power at STC (Wp)	10W +3%
Operating temperature	-40oC to +85oC
Maximum system voltage	1000V dc
Power tolerance	0 to 3%

¹ Standard Temperature and Conditions: 25_°C, AM 1.5, 1000W/m²

Mechanical Characteristics and Dimensions

Solar cells	Monocrystalline
Dimensions	340x268x25mm
Weight	1.3kg
Front glass	3.2mm tempered glass
Frame	Anodised aluminium alloy

CAUTION:Read Safety And Installation.Instructions Before Using The Product. Go to www.sunlink-energy.com



SEG-M6-20W

20 Watt MONOCRYSTALLINE SOLAR PANEL



Features

High performance, high efficiency mono cells ensures high performance of solar module and create more power in peak hours

3.2mm tempered glass and rigid anodised aluminium alloy frame gives exceptional strength

Voltage optimised for use in 12V systems and charging 12V batteries

10W positive power output(tolerance is 0 to 3%)

Bypass diode to avoid hot-spot effect

25 years limited power warranty

Example Applications

Keeping car, van, caravan, shed, motorbike or boat batteries topped up

Powering pond fountains

Powering small appliances such as room fans and lighting

Charging 12V batteries (best with a 5A charge controller)

Specific Attributes



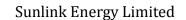
Low-iron tempered anti-reflecting glass, Back Surface Field (BSF) silicon nitride anti-reflective cell coating increase conversion efficiency. The backside's 5M cable and 4 x Non-slip

Corner Protectors to cancel your worry

on using



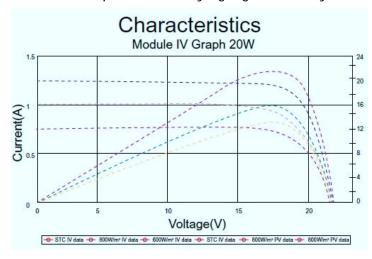
Rigid anodised aluminium frame and toughened glass prevent damage due to frost, snow, hail and high winds.





SEG-M6-20W

Electrical Output under Varying Light Intensity and Temperature



Temperature Dependence of Isc, Voc and Wp

Nominal operating cell temperature	45oC ±2oC
(NOCT)	
Temperature coefficient of Wp	-0.5±0.05%/oC
Temperature coefficient of Voc	-0.155±0.01%/oC
Temperature coefficient of Isc	0.06±0.01%/oC



Electrical Characteristics under STC₁

Open-circuit voltage (Voc)	Av 21.0V, sd 0.5
Voltage at maximum power (Vmp)	Av 18.8V, sd 0.4
Short-circuit current (Isc)	Av 1.36, sd 0.04
Optimum operating current (Imp)	Av 1.19A, sd 0.02
Maximum power at STC (Wp)	20W +3%
Operating temperature	-40oC to +85oC
Maximum system voltage	1000V dc
Power tolerance	0 to 3%

¹ Standard Temperature and Conditions: 25_°C, AM 1.5, 1000W/m²

Mechanical Characteristics and Dimensions

Solar cells	Monocrystalline
Dimensions	536*348x25mm
Weight	2.5kg
Front glass	3.2mm tempered glass
Frame	Anodised aluminium alloy

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SEG-M5-40W

40 Watt MONOCRYSTALLINE SOLAR PANEL



Features

High performance, high efficiency mono cells ensures high performance of solar module and create more power in peak hours

3.2mm tempered glass and rigid anodised aluminium alloy frame gives exceptional strength

Voltage optimised for use in 12V systems and charging 12V batteries

10W positive power output(tolerance is 0 to 3%)

Bypass diode to avoid hot-spot effect

25 years limited power warranty

Example Applications

Powering a 12V system

Powering a fridge, television or laptop

Perfect for caravans and boats

Specific Attributes



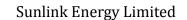
Low-iron tempered anti-reflecting glass, Back Surface Field (BSF)

silicon nitride anti-reflective cell coating increase conversion efficiency.

The backside's 5M cable and 4 x Non-slip Corner Protectors to cancel your worry on using



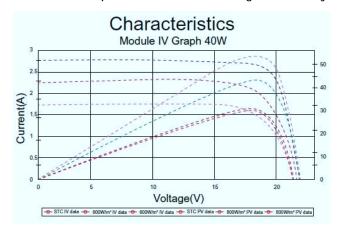
Rigid anodised aluminium frame and toughened glass prevent damage due to frost, snow, hail and high winds.





SEG-M5-40W

Electrical Output under Different Light Intensity and Temperature



Temperature Dependence of Isc, Voc and Wp

Nominal operating cell temperature	45oC ±2oC
(NOCT)	
Temperature coefficient of Wp	-0.5±0.05%/oC
Temperature coefficient of Voc	-0.155±0.01%/oC
Temperature coefficient of Isc	0.06±0.01%/oC

Printed on recycled paper.

Electrical Characteristics under STC₁

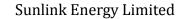
Open-circuit voltage (Voc)	Av 21.6V, sd 0.5
Voltage at maximum power (Vmp)	Av 17.5V, sd 0.4
Short-circuit current (Isc)	Av 2.65A, sd 0.04
Optimum operating current (Imp)	Av 2.33A, sd 0.02
Maximum power at STC (Wp)	40W +3%
Operating temperature	-40oC to +85oC
Maximum system voltage	1000V dc
Power tolerance	0 to +3%

¹ Standard Temperature and Conditions: 25_°C, AM 1.5, 1000W/m²

Mechanical Characteristics and Dimensions

Solar cells	Monocrystalline
Dimensions	634*534*35mm
Weight	5kg
Front glass	3.2mm tempered glass
Frame	Anodised aluminium alloy

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SEG-M6-50W

50 Watt MONOCRYSTALLINE SOLAR PANEL





High performance, high efficiency mono cells ensures high performance of solar module and create more power in peak hours

3.2mm tempered glass and rigid anodised aluminium alloy frame gives exceptional strength

Voltage optimised for use in 12V systems and charging 12V batteries

50W positive power output(tolerance is 0 to 3%)

Bypass diode to avoid hot-spot effect

25 years limited power warranty

Waterproof for permanent outdoor use

Example Applications

Powering a 12V system

Powering a fridge, television or laptop

Perfect for caravans and boats

Specific Attributes



Low-iron tempered anti-reflecting glass, Back Surface Field (BSF)

silicon nitride anti-reflective cell coating increase conversion efficiency.

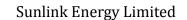


The backside's 5M cable and 4 x Non-slip Corner Protectors to cancel your worry on using

Rigid anodised aluminium frame and toughened glass prevent damage

due to frost, snow, hail and high winds.

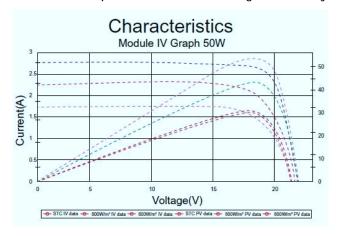






SEG-M5-50W

Electrical Output under Different Light Intensity and Temperature



Temperature Dependence of Isc, Voc and Wp

	-
Nominal operating cell temperature	45oC ±2oC
(NOCT)	
Temperature coefficient of Wp	-0.5±0.05%/oC
Temperature coefficient of Voc	-0.155±0.01%/oC
Temperature coefficient of Isc	0.06±0.01%/oC

Printed on recycled paper

Electrical Characteristics under STC₁

Open-circuit voltage (Voc)	Av 21.6V, sd 0.5
Voltage at maximum power (Vmp)	Av 17.2V, sd 0.4
Short-circuit current (Isc)	Av 3.10A, sd 0.04
Optimum operating current (Imp)	Av 2.91A, sd 0.02
Maximum power at STC (Wp)	50W +3%
Operating temperature	-40oC to +85oC
Maximum system voltage	1000V dc
Power tolerance	0 to 3%

¹ Standard Temperature and Conditions: 25_°C, AM 1.5, 1000W/m²

Mechanical Characteristics and Dimensions

Solar cells	Monocrystalline
Dimensions	638*666*35mm
Weight	5.5kg
Front glass	3.2mm tempered glass
Frame	Anodised aluminium alloy

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SEG-M6-80W

80 Watt MONOCRYSTALLINE SOLAR PANEL





High performance, high efficiency mono cells ensures high performance of solar module and create more power in peak hours

3.2mm tempered glass and rigid anodised aluminium alloy frame gives exceptional strength

Voltage optimised for use in 12V systems and charging 12V batteries

10W positive power output(tolerance is 0 to 3%)

Bypass diode to avoid hot-spot effect, Waterproof for permanent outdoor use

25 years limited power warranty

Example Applications

Powering a 12V system

Powering a fridge, television or laptop

Perfect for caravans, boats and off-grid houses

Specific Attributes



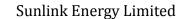


Low-iron tempered anti-reflecting glass, Back Surface Field (BSF) silicon nitride anti-reflective cell coating increase conversion efficiency.

The backside's 5M cable and 4 x Non-slip Corner Protectors to cancel your worry on using



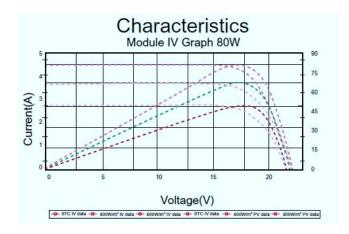
Rigid anodised aluminium frame and toughened glass prevent damage due to frost, snow, hail and high winds.





SEG-M6-80W

Electrical Output under Different Light Intensity and Temperature



Temperature Dependence of Isc, Voc and Wp

Nominal operating cell temperature	47oC ±2oC
(NOCT)	
Temperature coefficient of Wp	-0.5±0.05%/oC
Temperature coefficient of Voc	-0.155±0.01%/oC
Temperature coefficient of Isc	0.06±0.01%/oC

Printed on recycled paper.

Electrical Characteristics under STC₁

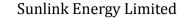
Open-circuit voltage (Voc)	Av 21.6V, sd 0.5
Voltage at maximum power (Vmp)	Av 17.2V, sd 0.4
Short-circuit current (Isc)	Av 5.14, sd 0.04
Optimum operating current (Imp)	Av 4.65A, sd 0.02
Maximum power at STC (Wp)	80W +3%
Operating temperature	-40oC to +85oC
Maximum system voltage	1000V dc
Power tolerance	0 to 3%

¹ Standard Temperature and Conditions: 25_°C, AM 1.5, 1000W/m²

Mechanical Characteristics and Dimensions

Solar cells	Monocrystalline
Dimensions	916*666*35mm
Weight	7.5KG
Front glass	3.2mm tempered glass
Frame	Anodised aluminium alloy

CAUTION:Read Safety And Installation.Instructions Before Using The Product. Go to www.sunlink-energy.com





SEG-M6-100W

100 Watt MONOCRYSTALLINE SOLAR PANEL





High performance, high efficiency mono cells ensures high performance of solar module and create more power in peak hours

3.2mm tempered glass and rigid anodised aluminium alloy frame gives exceptional strength

Voltage optimised for use in 12V systems and charging 12V batteries

10W positive power output (tolerance is 0 to5%)

Bypass diode to avoid hot-spot effect, Waterproof for permanent outdoor use

25 years limited power warranty

Example Applications

Powering a 12V system

Powering a fridge, television or laptop

Perfect for caravans, boats and off-grid houses

Specific Attributes



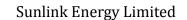
Low-iron tempered anti-reflecting glass, Back Surface Field (BSF) silicon nitride anti-reflective cell coating

increase conversion efficiency.

The backside's 5M cable and 4 x Non-slip Corner Protectors to cancel your worry on using



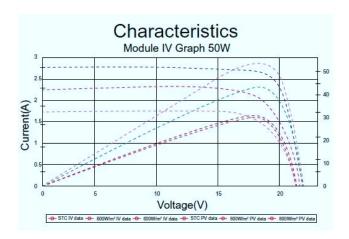
Rigid anodised aluminium frame and toughened glass prevent damage due to frost, snow, hail and high winds.





SEG-M6-100W

Electrical Output under Different Light Intensity and Temperature



Temperature Dependence of Isc, Voc and Wp

Nominal operating cell temperature	45oC ±2oC
(NOCT)	
Temperature coefficient of Wp	-0.5±0.05%/oC
Temperature coefficient of Voc	-0.155±0.01%/oC
Temperature coefficient of Isc	0.06±0.01%/oC



Electrical Characteristics under STC₁

Open-circuit voltage (Voc)	Av 21.6V, sd 0.5
Voltage at maximum power (Vmp)	Av 17.2V, sd 0.4
Short-circuit current (Isc)	Av 0.62, sd 0.04
Optimum operating current (Imp)	Av 0.57A, sd 0.02
Maximum power at STC (Wp)	100W +5%
Operating temperature	-40oC to +85oC
Maximum system voltage	1000V dc
Power tolerance	+5%

¹ Standard Temperature and Conditions: 25_°C, AM 1.5, 1000W/m²

Mechanical Characteristics and Dimensions

Solar cells	Monocrystalline
Dimensions	1483*665*35mm
Weight	12kg
Front glass	3.2mm tempered glass
Frame	Anodised aluminium alloy

CAUTION:Read Safety And Installation.Instructions Before Using The Product. Go to www.sunlink-energy.com



SEG-M6-120W

120 Watt MONOCRYSTALLINE SOLAR PANEL



Features

High performance, high efficiency monocrystalline silicon cells

3.2mm tempered glass and rigid anodised aluminium alloy frame gives exceptional

strength

Grounding holes for easy installation

Voltage optimised for use in 12V systems

120W with positive tolerance output (0 to +5%) Waterproof for permanent outdoor use

Guaranteed 25 year power-output (90% of power after 10 years of use, 80% of power after 25 years of use)

Example Applications

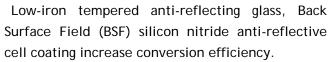
Powering a 12V system

Powering a fridge, television and laptop

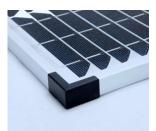
Perfect for caravans, boats and off-grid houses

Specific Attributes

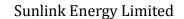




The backside's 5M cable and 4 x Non-slip Corner Protectors to cancel your worry on using



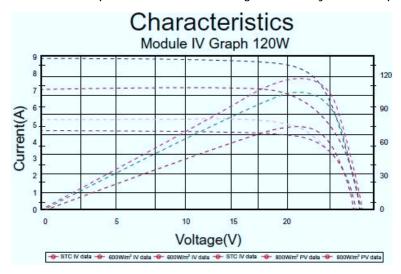
Rigid anodised aluminium frame and toughened glass prevent damage due to frost, snow, hail and high winds.





SEG-M6-120W

Electrical Output under Different Light Intensity and Temperature



Temperature Dependence of Isc, Voc and Wp

Nominal operating cell temperature	45oC ±2oC
(NOCT)	
Temperature coefficient of Wp	-0.5±0.05%/oC
Temperature coefficient of Voc	-0.155±0.01%/oC
Temperature coefficient of Isc	0.06±0.01%/oC

Printed on recycled paper.

Electrical Characteristics under STC₁

Open-circuit voltage (Voc)	Av 21.6V, sd 0.5
Voltage at maximum power (Vmp)	Av 17.2V, sd 0.4
Short-circuit current (Isc)	Av 0.62, sd 0.04
Optimum operating current (Imp)	Av 0.57A, sd 0.02
Maximum power at STC (Wp)	120W +5%
Operating temperature	-40oC to +85oC
Maximum system voltage	1000V dc
Power tolerance	+5%

¹ Standard Temperature and Conditions: 25_°C, AM 1.5, 1000W/m²

Mechanical Characteristics and Dimensions

Solar cells	Monocrystalline
Dimensions	1483*665*35mm
Weight	12kg
Front glass	3.2mm tempered glass
Frame	Anodised aluminium alloy

CAUTION:Read Safety And Installation.Instructions Before Using The Product. Go to www.sunlink-energy.com



Matchable solar components









