

**Link to the Sun!**

www.sunlink-pv.com

# 170W Maximum Power

## High Efficiency Mono-crystalline Solar Module

### BENEFITS

- High and stable conversion efficiency based on over 12 years professional experience.
- High reliability with guaranteed 0-+3 % output power tolerance
- Proven materials, tempered front glass, and a sturdy anodized aluminum frame allow modules to operate reliably in multiple mounting configurations.
- Combination of high efficiency and attractive appearance.

### QUALITY AND SAFETY

- 25-year output power warranty
- ISO9001: 2008 (Quality Management System) certified factory
- IEC 61215, Safety tested IEC 61730, CE
- Product Liability Insurance guarantee end users' benefit
- Hail impact: 277 g steel ball falling from 1 m height, 60 m/s wind speed increased snow load according to IEC 61215: up to 5400 N/m<sup>2</sup> wind load and suction according to IEC 61215: up to 2400 N/m<sup>2</sup>

### WARRANTY AND CERTIFICATIONS

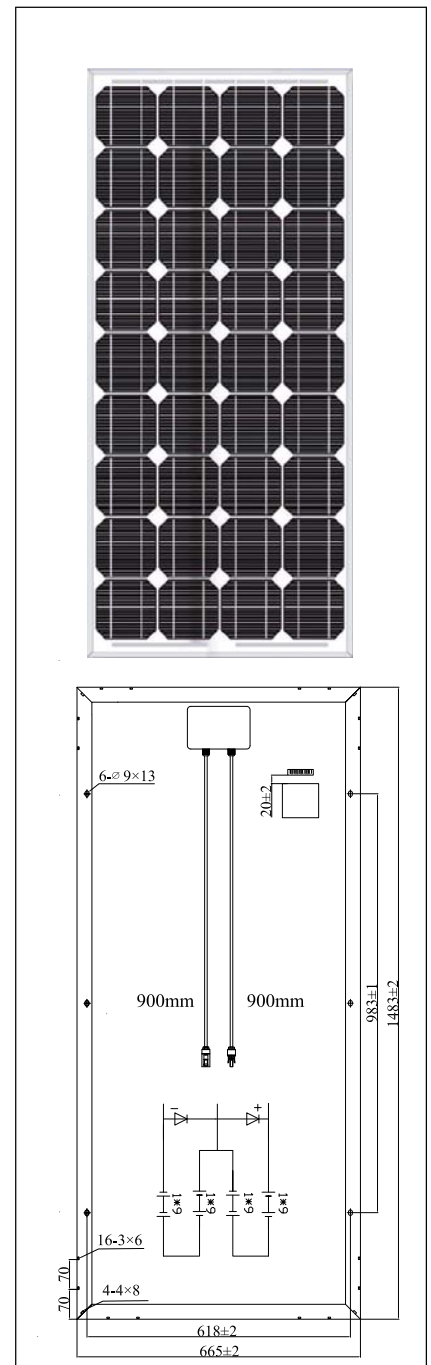
Warranty	10 years workmanship 12 years 90 % of the nominal power warranty 25 years 80 % of the nominal power warranty
Certifications	IEC 61215, Safety tested IEC 61730 part 2, CE



### TEMPERATURE COEFFICIENTS

NOCT	45±2/°C
Voltage temperature coefficient (Voc)	-0.35%/°C
Current temperature coefficient (Isc)	+0.055%/°C
Power temperature coefficient (Pmpp)	-0.45%/°C
Minimum power tolerance	0-+ 3 %

NOCT: Nominal Operating cell Temperature: -40°C to +85°C



### TECHNICAL DATA

Solar cell	36 mono-crystalline 156 × 156 mm
Front glass	3.2 mm tempered glass
Junction box	IP67 rated
Bypass-diodes	2 pieces
Output cables	900 mm length cable, compliable with MC IV connectors
Frame	anodized aluminium
Weight	12kg
Dimensions	1483 × 665 × 35 mm

### ELECTRICAL DATA

Module Type	SL110-12M170	SL110-12M165	SL110-12M160	SL110-12M155	SL110-12M150
Nominal peak power (Wp)	170W	165W	160W	155W	150W
Nominal voltage (Vmp)	19.1V	18.9V	18.7V	18.4V	18.1V
Nominal current (Imp)	8.90A	8.73A	8.56A	8.43A	8.29A
Open circuit voltage (Voc)	23.6V	23.4V	23.2V	23.0V	22.8V
Short circuit current (Isc)	9.24A	9.13A	9.02A	8.92A	8.81A
Solar efficiency	17.3%	16.8%	16.2%	15.7%	15.2%
Operating Temperatre	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C
Maximum System Voltage	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC

STC:1000W/m<sup>2</sup>, 25°C, AM=1.5

Module Type	SL110-12M170	SL110-12M165	SL110-12M160	SL110-12M155	SL110-12M150
Maximum power (P <sub>max</sub> )	124W	120W	116W	112W	108W
Nominal voltage (V <sub>mpp</sub> )	18.0V	17.8V	17.6V	17.4V	17.2V
Nominal current (I <sub>mpp</sub> )	6.89A	6.75A	6.59A	6.44A	6.28A
Open circuit voltage (V <sub>oc</sub> )	21.6V	21.4V	21.2V	21.0V	20.6V
Short circuit current (I <sub>sc</sub> )	7.35A	7.29A	7.23A	7.12A	6.96A

NOCT: Irradiation: 800 W/m<sup>2</sup>, module temperature: 45 °C, air mass: 1.5

Performance under weak light conditions (200 W/m<sup>2</sup>) EN60904-1, 95.3 % or higher of the STC efficiency (1000 W/m<sup>2</sup>) is achieved

### PACKING CONFIGURATION

Container	20' GP	40' GP
Pieces per pallet	30	30
Pallets per container	12	30
Pieces per container	420	900

#### Jiangsu SunLink PV Technology Co., Ltd.

Nanyuan Road, Zhangjiagang Economic Development Zone,  
Jiangsu Province, 215600, China.

Tel: + 86 - 512 - 58166568

Fax: + 86 - 512 - 58166560

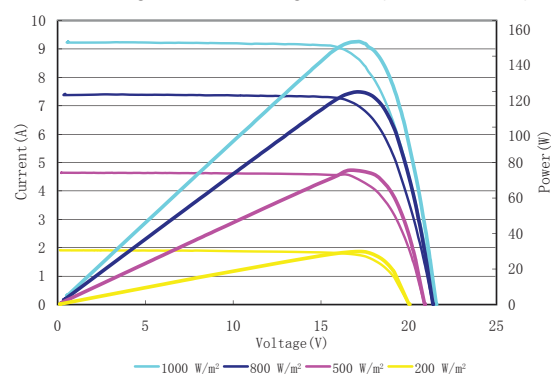
www.sunlink-pv.com

CAUTION: Read safety and installation. instructions before using the product.

© July 2016 SunLink PV all rights reserved.

Sepecifications included in this datasheet are subject to change without notice.

Current-Voltage & Power-Voltage Curve (SL110-12M150)



SunLink PV APPOINTED DEALER