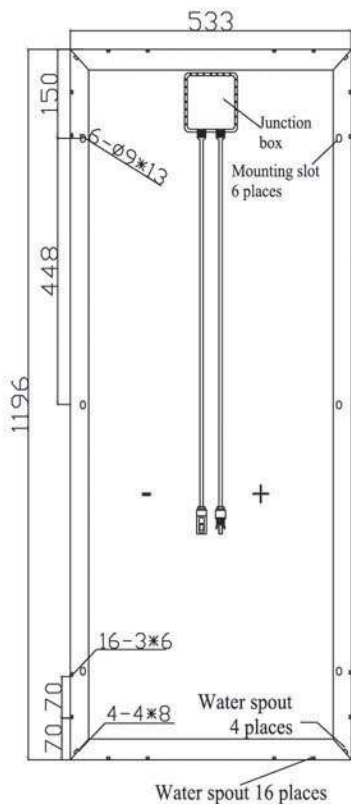


## 100 W Maximum Power

High Efficiency Mono-crystalline  
Solar Module



### BENEFITS

- High and stable conversion efficiency based on over 8 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 configuration
- 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>

### TEMPERATURE COEFFICIENTS

Temperature coefficients		at 1000 W/m <sup>2</sup> , 25 °C, air mass: 1.5
Voltage coefficient ( $V_{oc}$ )	$\beta$	- 0.35 %/K
Current coefficient ( $I_{sc}$ )	$\alpha$	+ 0.055 %/K
Power coefficient ( $P_{mpp}$ )	$\gamma$	- 0.45 %/K
Minimum power tolerance		0 - + 3 %



**SunLink PV Technology Co., Ltd.**  
 Nanyuan Road, Zhangjiagang Economic Development Zone,  
 Jiangsu Province, 215600, China.  
 Tel: +86-512-58166568 58166566  
 Fax: +86-512-58166560  
 www.sunlink-pv.com

# 100 W Maximum Power



## TECHNICAL DATA

Solar cell	36 mono-crystalline 125 × 125 mm
Front glass	3.2 mm tempered glass
Junction box	IP65 rated
Bypass-diodes	1 pieces
Output cables	900 mm length cable, compatible with MC IV connectors
Frame	anodized aluminium
Weight	8 kg
Dimensions	1196 × 533 × 35 mm

## ELECTRICAL DATA

Module Type	SL080-12M100	SL080-12M95	SL080-12M90	SL080-12M85	SL080-12M80
Nominal peak power ( $P_{max}$ )	100W	95W	90W	85W	80W
Nominal voltage ( $V_{mpp}$ )	17.2V	17.2V	17.2V	17.2V	17.2V
Nominal current ( $I_{mpp}$ )	5.81A	5.52A	5.23A	4.94A	4.65A
Open circuit voltage ( $V_{oc}$ )	21.6V	21.6V	21.6V	21.6V	21.6V
Short circuit current ( $I_{sc}$ )	6.43A	6.11A	5.79A	5.47A	5.14A
Module efficiency	15.6%	14.9%	14.1%	13.3%	12.5%
Operating Temperature	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C
Maximum System Voltage	1000 V DC	1000 V DC	1000 V DC	1000 V DC	1000 V DC

STC: Irradiation: 1000 W/m<sup>2</sup>, module temperature: 25 °C, air mass: 1.5 (EN 60904-3)

Maximum power ( $P_{max}$ )	72W	68W	65W	61W	58W
Nominal voltage ( $V_{mpp}$ )	16.5V	16.5V	16.5V	16.5V	16.5V
Nominal current ( $I_{mpp}$ )	4.37A	4.15A	3.94A	3.72A	3.50A
Open circuit voltage ( $V_{oc}$ )	19.9V	19.9V	19.9V	19.9V	19.9V
Short circuit current ( $I_{sc}$ )	4.79A	4.55A	4.31A	4.07A	3.83A

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

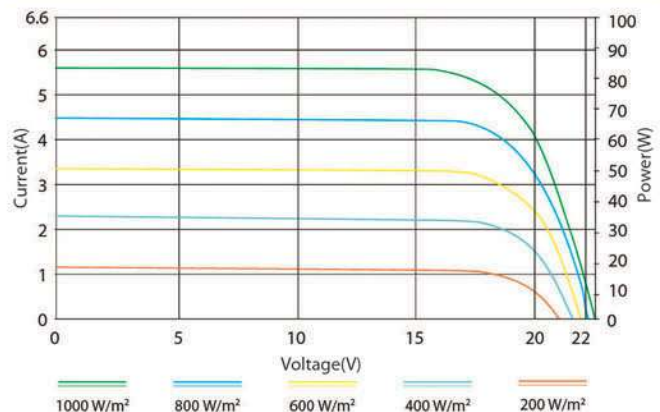
Container	20' GP	40' GP
Pieces per pallet	40	40
Pallets per container	16	36
Pieces per container	640	1440

## 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

CAUTION: Read Safety And Installation Instructions Before Using The Product.  
 © April 2012 SunLink PV Technology Co., Ltd. All rights reserved.  
 Specifications included in this datasheet are subject to change without notice.  
 Printed on recycled paper.

## Current-Voltage & Power-Voltage Curve (SL080-12M95)



SunLink PV APPOINTED DEALER