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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

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

**SL200-18M**

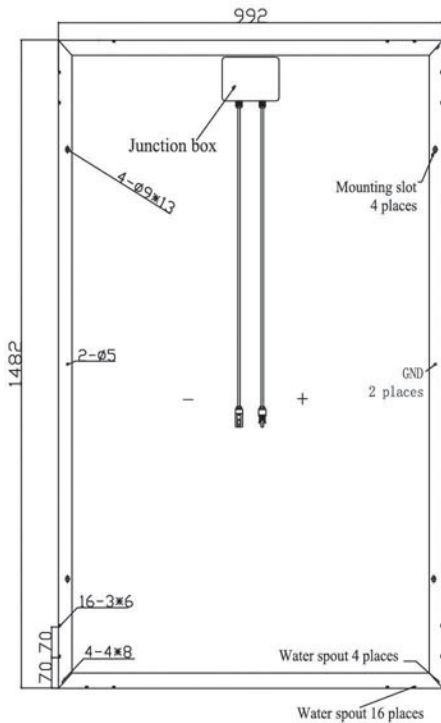
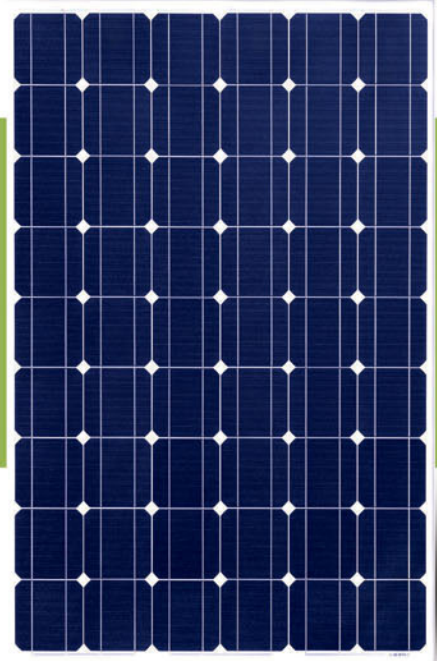
**SL200-18M 220**

Also available on the web at

[EnergyPal.com/jiangsu-sunlink-pv-technology-co-ltd-solar-panels/sl200-18m-220](http://EnergyPal.com/jiangsu-sunlink-pv-technology-co-ltd-solar-panels/sl200-18m-220)

# 230 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 mountly configuration.
- Combination of high efficiency and attractive appearance.

## QUALITY AND SAFETY

- 25-year output power warranty.
- ISO9001:2008 (Quality Management System) certified factory.
- IEC61215, Safety tested IEC61730, CE.
- Product Quality Warranty & Product Liability Insurance guarantee end users' benefit.

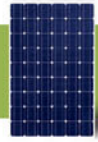
## TEMPERATURE COEFFICIENTS

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](http://www.sunlink-pv.com)

# 230 W Maximum Power



## TECHNICAL DATA

Solar Cell	54 Mono-crystalline 156×156mm
Front Glass	3.2mm tempered
Junction Box	IP65 rated
Output Cables	1000mm length able/compliable with MC IV connectors
Frame	Anodized aluminium
Weight	17kg
Dimension	1482×992×45mm

## WARRANTY AND CERTIFICATIONS

Warranty	10 years workmanship, 12 years 90%, 25 years 80% power warranty
Certifications	IEC61215, Safety tested IEC61730, CE

## ELECTRICAL DATA

Module Type	SL200-18M230	SL200-18M225	SL200-18M220	SL200-18M215	SL200-18M210
Nominal peak power ( $P_{max}$ )	230W	225W	220W	215W	210W
Nominal voltage ( $V_{mpp}$ )	27.6V	27.6V	27.4V	27.2V	27.0V
Nominal current ( $I_{mpp}$ )	8.33A	8.15A	8.03A	7.90A	7.78A
Open circuit voltage ( $V_{oc}$ )	34.2V	34.0V	33.8V	33.8V	33.6V
Short circuit current ( $I_{sc}$ )	9.04A	8.84A	8.71A	8.57A	8.44A
Module efficiency	15.6%	15.3%	15.0%	14.6%	14.3%
Operating Temperature	-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: Irradiation: 1000 W/m<sup>2</sup>, module temperature: 25 °C, air mass: 1.5 (EN 60904-3)

Maximum power ( $P_{max}$ )	166W	162W	159W	155W	151W
Nominal voltage ( $V_{mpp}$ )	26.4V	26.4V	26.3V	26.1V	25.9V
Nominal current ( $I_{mpp}$ )	6.27A	6.13A	6.04A	5.94A	5.85A
Open circuit voltage ( $V_{oc}$ )	31.6V	31.4V	31.2V	31.2V	31.0V
Short circuit current ( $I_{sc}$ )	6.73A	6.58A	6.49A	6.38A	6.29A

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	22	22
Pallets Per Container	14	30
Pieces Per Container	308	660

## EXAMPLES OF APPLICATION

- Grid-connected systems, for E.G.
  - Residential solar power systems.
  - Public and industrial solar power systems.
- Solar power stations.

CAUTION: Read Safety And Installation.Instructions Before Using The Product.

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

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## Current-Voltage & Power-Voltage Curve (SL200-18M220)

