

# 190W Maximum Power

## High Efficiency Mono-crystalline Solar Module

### BENEFITS

- High and stable conversion efficiency based on over 5 years professional experience.
- High reliability with guaranteed  $\pm 2\%$  output.
- power tolerance Proven materials, tempered front glass, and a sturdy anodized aluminum frame allow modules to operate reliably in multiple mountily configuration.
- Combination of high efficiency and attractive appearance.

### QUALITY AND SAFETY

- 25-year output power warranty.
- ISO9001:2000 (Quality Management System) certified factory.
- IEC61215, Safety tested IEC61730 CE.
- Product Quality Warranty & Product Liability Insurance guarantee end users' benefit.



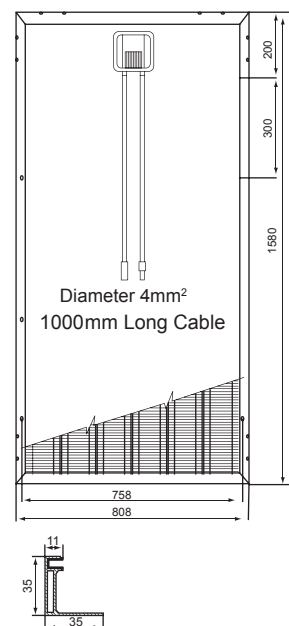
### EXAMPLES OF APPLICATION

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

### TEMPERATURE COEFFICIENTS

NOCT	45 $\pm$ 2/°C
Voltage temperature coefficient (Voc)	-0.35%/°C
Current temperature coefficient (Iso)	+0.055%/°C
Power temperature coefficient (Pmpp)	-0.45%/°C
Minimum power tolerance	$\pm 2\%$

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



### MECHANICAL DATA

Solar Cell	72 Mono-crystalline 125×125mm
Front Glass	3.2mm tempered
Junction Box	IP65 or IP67 rated (Aluminium)
Output Cables	1000mm length able/compliable with MC IV connectors or MC IV CONNECTORS
Frame	Anodized aluminium
Weight	15kg
Dimension	1580×808×35mm

### WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25 years 80% power warranty
Certifications	IEC61215, Safety tested IEC61730, CE

### ELECTRICAL DATA

Module Type	SL160-24M190	SL160-24M185	SL160-24M180	SL160-24M175	SL160-24M170
Nominal peak power (Wp)	190W	185W	180W	175W	170W
Nominal voltage (Vmp)	36.2V	36.2V	36.0V	36.0V	35.9V
Nominal current (Imp)	5.25A	5.11A	5.00A	4.86A	4.74A
Open circuit voltage (Voc)	45.4V	45.2V	45.0V	44.8V	44.5V
Short circuit current (Isc)	5.44A	5.32A	5.20A	5.17A	5.12A
Module efficiency	14.9%	14.5%	14.1%	13.7%	13.3%
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

### PACKING CONFIGURATION

Container	20'GP	40'GP	40'HC
Pallets Per Container	6	14	14
Pieces Per Pallet	62	62	68
Pieces Per Container	424	868	958

### SunLink PV Technology Co., Ltd.

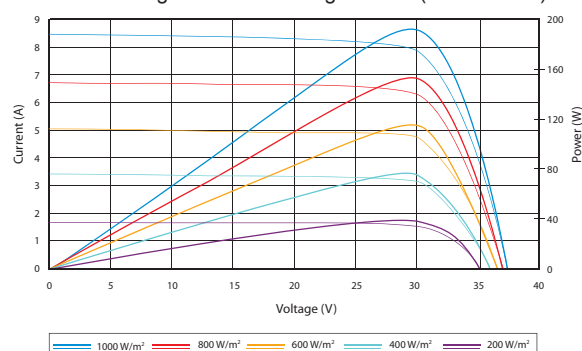
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Current-Voltage & Power-Voltage Curve (SL160-20M)



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

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