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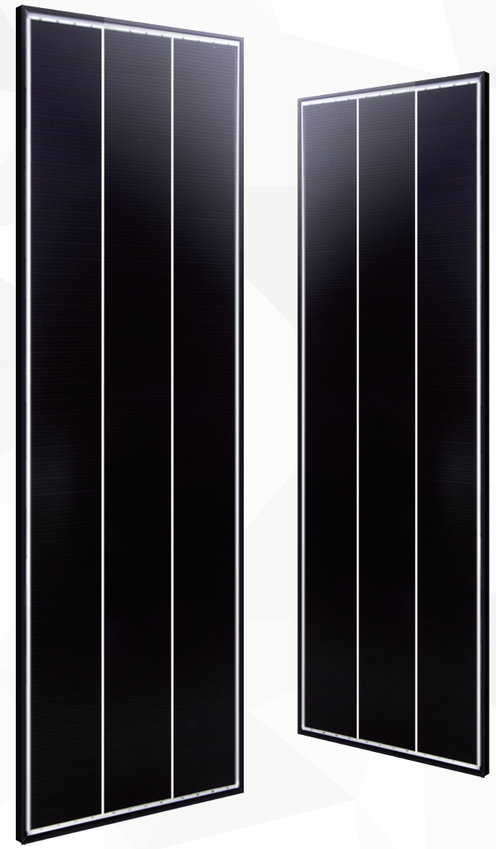
*SHIFTING* · THE FUTURE



MINI Eclipse Module

# 70W-80W

## BEHIND THE ECLIPSE

Seraphim insists on market and customer demand for product development, according to customer requirements and special application needs，Seeking to develop a more flexible "MINI eclipse module".

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# MINI Eclipse SRP-G0B3

MINI Eclipse SRP-G0B3

Mini eclipse module uses shingled-cell technology. By cutting cells , these smaller currents will help reduce “Cell To Module"loss,which means higher output . The innovative shingled-cell technology allows no ribbon soldering internally and smaller branch current, so that internal resistance is lower, and increase the efficiency of the modules. The unique parallel design reduces the hot-spot effect significantly, and the gorgeous aesthetic appearance will bring different visual enjoyment.

## Effectively reduce the power loss due to shadow

Because of the shingled-cell technology and fully parallel module layout design, the Mini Eclipse module has many advantages,such as high efficiency, hot spots resistance and reduced mismatch losses.



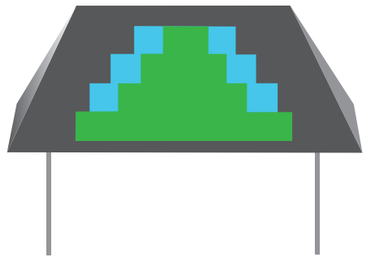
## MINI modules are small and flexible,making full use of the roof.

Residential roofs have limited area,which is also complex. Conventional PV modules can not make full use of the roof space.
Seraphim MINI eclipse modules are smaller and more flexible than conventional mdoules, so good choice for the complex or irregular roof. The residential projects can make full use of the limited installation area and increase the installed capacity.



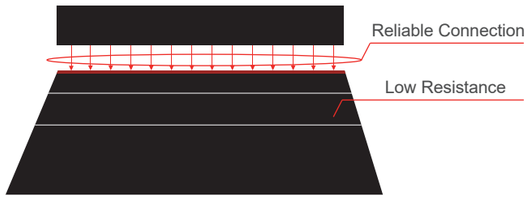
System capacity 2.52KW (conventional module-Monocrystal 280W)
Annual enenrgy production 2880KWh

31.9% more power output



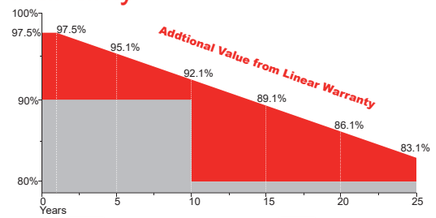
System capacity 3.375KW (Mini eclipse 150W+225W)
Annual enenrgy production 3800KWh

## Improved Reliability and Durability




## Insurances

## Warranty




10 YEARS Guarantee on product material and workmanship

25 YEARS linear power output warranty

## Electrical Characteristics

| | SRP-70-G0B3 | | SRP-75-G0B3 | | SRP-80-G0B3 | |
|---|---|---|---|---|---|---|
| | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmp) | 70 | 53 | 75 | 57 | 80 | 60 |
| Open Circuit Voltage (Voc) | 22.3 | 20.8 | 22.5 | 21.0 | 22.7 | 21.1 |
| Short Circuit Current (Isc) | 4.04 | 3.26 | 4.28 | 3.47 | 4.51 | 3.63 |
| Maximum Power Voltage (Vmp) | 18.0 | 17.1 | 18.2 | 17.3 | 18.4 | 17.4 |
| Maximum Power Current (Imp) | 3.90 | 3.10 | 4.13 | 3.30 | 4.35 | 3.45 |
| Module Efficiency at STC(ηm) | 16.76 | | 17.96 | | 19.16 | |
| Power Tolerance | (0,+4.99) | | | | | |
| Maximum System Voltage | 1000 VDC | | | | | |
| Maximum Series Fuse Rating | 15 | | | | | |

*STC: Irradiance 1000 W/m2 module temperature 25°C AM=1.5;*
*NOCT: Irradiance 800 W/m2 ambient temperature 20°C wind speed :1m/s*
*Power measurement tolerance: +/-3%*

## Temperature Characteristics

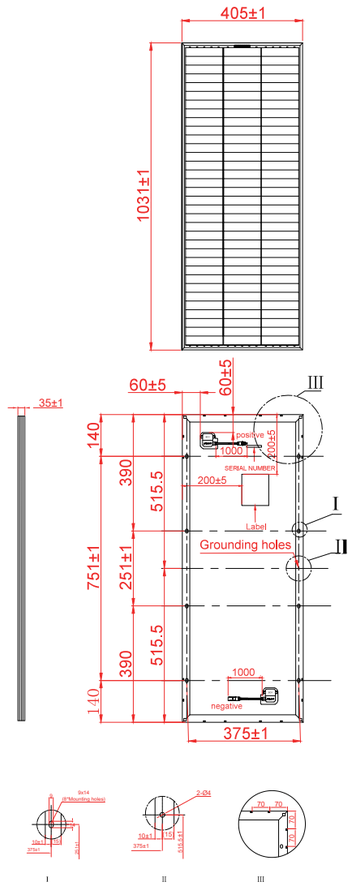
| | |
|---|---|
| Pmax Temperature Coefficient | -0.36%/°C |
| Voc Temperature Coefficient | -0.28 %/°C |
| Isc Temperature Coefficient | +0.05 %/°C |
| Operating Temperature | -40 ~ +85 °C |
| Nominal Operating Cell Temperature (NOCT) | 45±2 °C |

## Mechanical Specifications

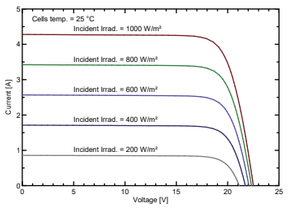
| | |
|---|---|
| External Dimensions | 1031 x 405 x 35 mm |
| Weight | 6.0kg |
| Solar Cells | Mono crystalline |
| Front Glass | 3.2 mm tempered glass, low iron |
| Frame | Anodized aluminium alloy |
| Junction Box | IP68 |
| Output Cables | 4.0 mm ,cable length: 1000 mm |
| Connector | MC4 Compatible |
| Mechanical Load | 5400 Pa |

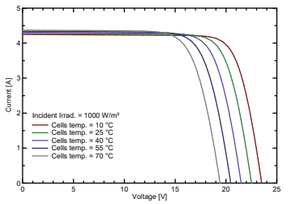
## Packing Configuration

| | 1031 x 405 x 35 mm | |
|---|---|---|
| Container | 20'GP | 40'GP |
| Pieces per Pallet | 90 | 90 |
| Pallets per Container | 12 | 28 |
| Pieces per Container | 1080 | 2520 |




## I-V Curve (SRP-75-G0B3)

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