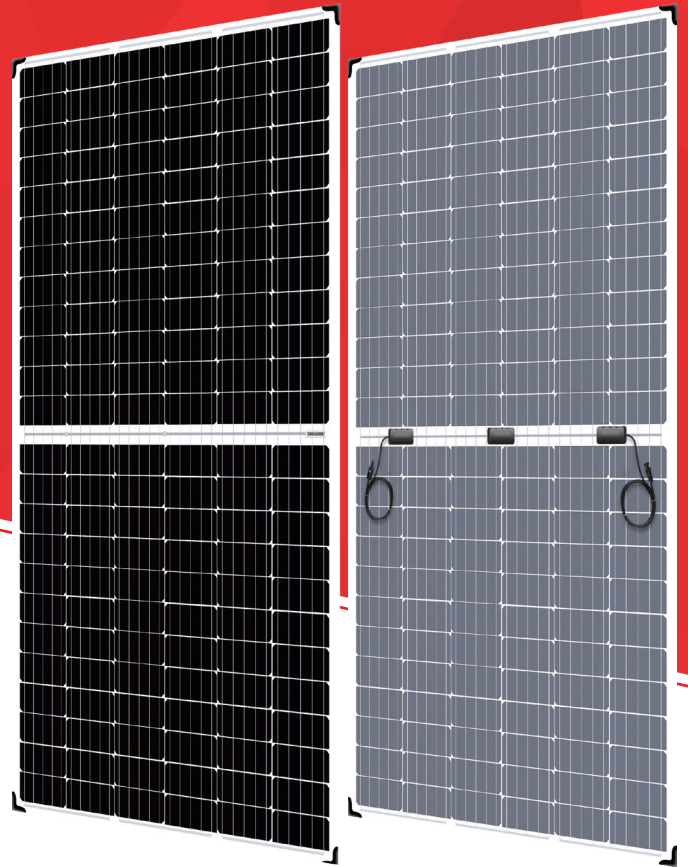


SRP-BMA-DG SERIES 6 INCH 144 CELLS

# 370-385w



## KEY FEATURES



Cut cell, Less internal power loss, Less mismatch loss



Perfect for sandy, snowy and high latitude regions



Lower power degradation, more power yield, more returns



Dual glass reduces micro-cracks, snail trail, UV aging



Frameless design solving the problematic issue of PID



Less maintenance due to frameless structure with less soiling and snow accumulation.

### MANAGEMENT SYSTEM

ISO 9001: Quality management system

ISO 14001: Standard for environmental management system

OHSAS 18001: International standard for occupational health and safety assessment system

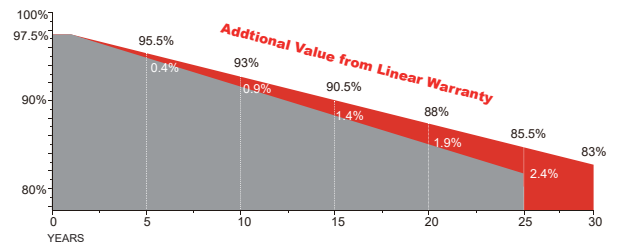
### INSURANCE

**PICC**

### PRODUCT CERTIFICATES



### WARRANTY



Guarantee on product material and workmanship



linear power output warranty

Specifications are subject to change without further notification SRP-DS-EN-2020V1.0 © Copyright 2020 Seraphim



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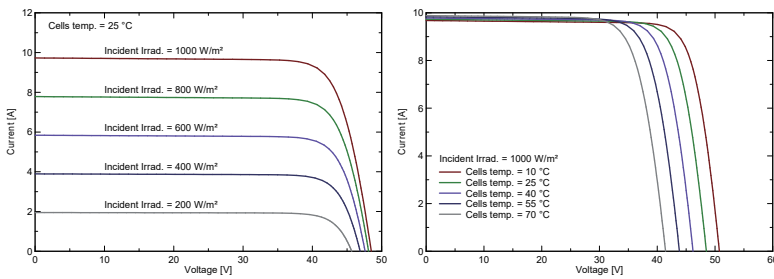
**Electrical Characteristics**

| Module Type                                | SRP-370-BMA-DG |      | SRP-375-BMA-DG |      | SRP-380-BMA-DG |      | SRP-385-BMA-DG |      |
|--|----------------|------|----------------|------|----------------|------|----------------|------|
|  | STC            | NOCT | STC            | NOCT | STC            | NOCT | STC            | NOCT |
| Maximum Power -P <sub>mp</sub> (W)         | 370            | 275  | 375            | 278  | 380            | 282  | 385            | 286  |
| Open Circuit Voltage -V <sub>oc</sub> (V)  | 48.3           | 44.6 | 48.5           | 44.8 | 48.7           | 45.0 | 48.9           | 45.2 |
| Short Circuit Current -I <sub>sc</sub> (A) | 9.64           | 7.82 | 9.73           | 7.86 | 9.81           | 7.93 | 9.88           | 7.99 |
| Maximum Power Voltage -V <sub>mp</sub> (V) | 40.5           | 37.3 | 40.7           | 37.5 | 40.9           | 37.7 | 41.1           | 37.9 |
| Maximum Power Current -I <sub>mp</sub> (A) | 9.14           | 7.38 | 9.22           | 7.42 | 9.30           | 7.49 | 9.37           | 7.55 |
| Module Efficiency STC-η <sub>m</sub> (%)   | 18.54          |      | 18.79          |      | 19.04          |      | 19.29          |      |
| Power Tolerance (W)                        | (0,+4.99)      |      |                |      |                |      |                |      |
| Maximum System Voltage (V)                 | 1500VDC        |      |                |      |                |      |                |      |
| Maximum Series Fuse Rating (A)             | 20A            |      |                |      |                |      |                |      |
| 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         | 45±2 °C        |      |                |      |                |      |                |      |

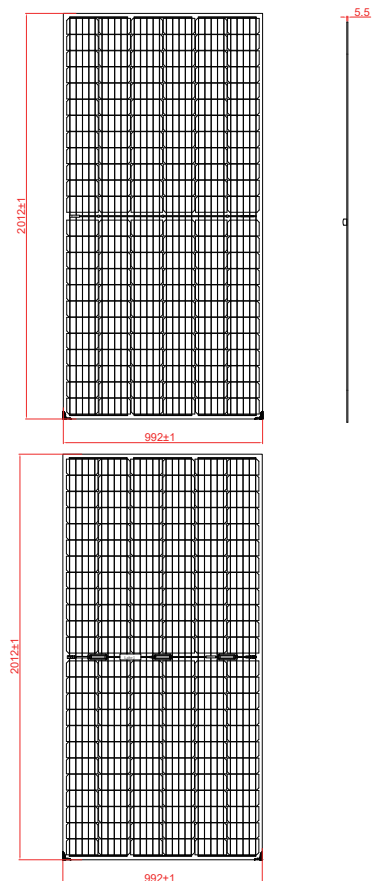
STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5

NOCT: Irradiance 800 W/m<sup>2</sup> ambient temperature 20°C wind speed :1m/s Power measurement tolerance: +/-3%

**I-V Curve**



**Technical drawing**



**Mechanical Specifications**

|                    |  |
|--------------------|--|
| External Dimension | 2012 x 992 x 5.5mm   |
| Weight             | 23.0kg   |
| Solar Cells        | PERC Mono crystalline 156.75 x 78.375 mm (144pcs)                |
| Front Glass        | 2.0mm AR coating semi-tempered glass,low iron                    |
| Back Glass         | 2.0mm Semi-tempered glass,low iron                               |
| Junction Box       | IP68, 3 diodes   |
| Output Cables      | 4.0 mm <sup>2</sup> ,Portrait:255mm(+)/355mm(-);Landscape:1200mm |
| Connector          | MC4 Compatible   |
| Mechanical Load    | Front side 2400Pa/ Back side 2400Pa                              |

**Packing Configuration**

|                       |                    |
|-----------------------|--------------------|
| External Dimension    | 2012 x 992 x 5.5mm |
| Container             | 40'HQ              |
| Pieces per Pallet     | 34                 |
| Pallets per Container | 22                 |
| Pieces per Container  | 748                |

\* All Dimensions in mm

\* The above drawing is a graphical representation of the product. For engineering quality drawings please contact SERAPHIM.

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