

# Seco 395-420W

High efficiency monofacial modules

**PERC**

**182mm**

## • PERC MODULE ADVANTAGE



Less mismatch to get more power



Less power loss by minimizing the shading impact



Excellent low-light performance



Low BOS and LCOE



3 times EL test to ensure best quality



Superior load capacity  
2400 Pa wind load &  
5400 Pa snow load

## • QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

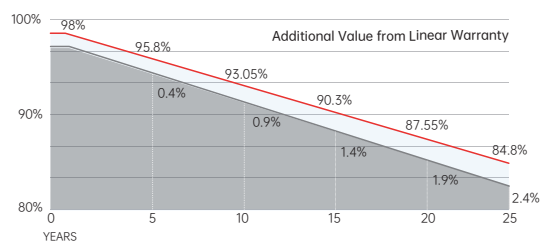
## • PRODUCT CERTIFICATION



## • INSURANCE

**PICC**

## • WARRANTY



Guarantee on product material and workmanship



Linear power output warranty



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## Mechanical Specifications

|                    |                                                             |
|--------------------|-------------------------------------------------------------|
| External Dimension | 1722 x 1134 x 30 mm                                         |
| Weight             | 21.5 kg                                                     |
| Solar Cells        | PERC Mono(108 pcs)                                          |
| Front Glass        | 3.2mm AR coating tempered glass, low iron                   |
| Frame              | Anodized aluminium alloy                                    |
| Junction Box       | IP68, 3 diodes                                              |
| Output Cables      | 4.0mm <sup>2</sup> , 250mm(+)/350mm(-) or Customized Length |

## Packing Configuration

|                       |       |            |
|-----------------------|-------|------------|
| Container             | 40'HQ | 40'HQ(USA) |
| Pieces per Pallet     | 36    | 36         |
| Pallets per Container | 26    | 23         |
| Pieces per Container  | 936   | 828        |

For details, please consult SERAPHIM.

## Electrical Characteristics

| Module Type                                | SRP-395-BMD-HV |       | SRP-400-BMD-HV |       | SRP-405-BMD-HV |       | SRP-410-BMD-HV |       | SRP-415-BMD-HV |       | SRP-420-BMD-HV |       |
|--------------------------------------------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
|                                            | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  |
| Maximum Power -P <sub>mp</sub> (W)         | 395            | 294   | 400            | 298   | 405            | 302   | 410            | 306   | 415            | 310   | 420            | 314   |
| Open Circuit Voltage -V <sub>oc</sub> (V)  | 36.75          | 34.60 | 37.00          | 34.80 | 37.25          | 35.10 | 37.50          | 35.30 | 37.75          | 35.53 | 38.00          | 35.76 |
| Short Circuit Current -I <sub>sc</sub> (A) | 13.69          | 11.04 | 13.78          | 11.11 | 13.86          | 11.17 | 13.94          | 11.24 | 14.02          | 11.31 | 14.09          | 11.37 |
| Maximum Power Voltage -V <sub>mp</sub> (V) | 30.85          | 28.80 | 31.05          | 29.00 | 31.24          | 29.20 | 31.43          | 29.30 | 31.64          | 29.42 | 31.81          | 29.57 |
| Maximum Power Current -I <sub>mp</sub> (A) | 12.81          | 10.23 | 12.89          | 10.30 | 12.97          | 10.36 | 13.05          | 10.42 | 13.13          | 10.57 | 13.21          | 10.64 |
| Module Efficiency STC-η <sub>m</sub> (%)   | 20.20          |       | 20.50          |       | 20.70          |       | 21.00          |       | 21.20          |       | 21.50          |       |
| Power Tolerance (W)                        | (0, +4.99)     |       |                |       |                |       |                |       |                |       |                |       |

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5 Power measurement tolerance: +/-3%;Voltage measurement tolerance: +/-3%;Current measurement tolerance: +/-4%  
NOCT: Irradiance 800 W/m<sup>2</sup> ambient temperature 20°C wind speed :1m/s Power measurement tolerance: +/-3%;Voltage measurement tolerance: +/-3%;Current measurement tolerance: +/-4%

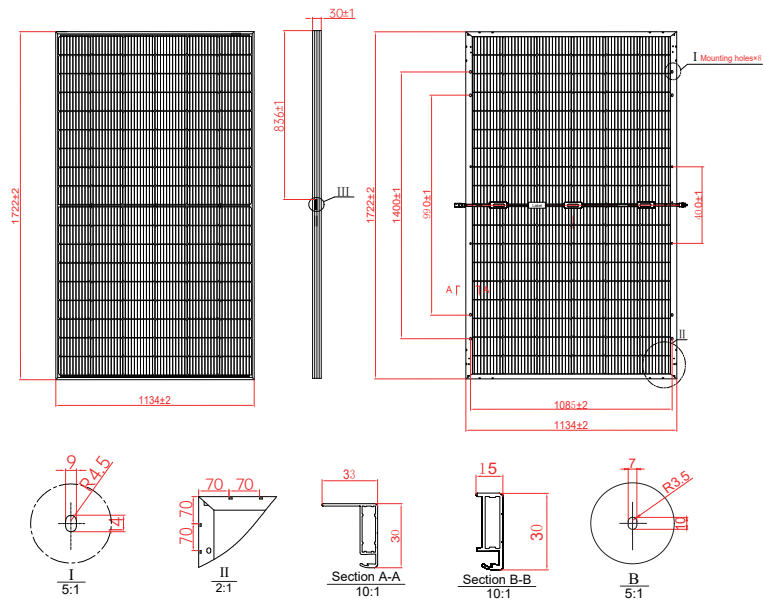
## Temperature Ratings

|                              |            |
|------------------------------|------------|
| Pmax Temperature Coefficient | -0.34 %/°C |
| Voc Temperature Coefficient  | -0.26 %/°C |
| Isc Temperature Coefficient  | +0.05 %/°C |

## Application Conditions

|                                    |                                        |
|------------------------------------|----------------------------------------|
| Maximum System Voltage             | 1500V DC                               |
| Maximum Series Fuse Rating         | 30 A                                   |
| Operating Temperature              | -40~+85 °C                             |
| Nominal Operating Cell Temperature | 45±2 °C                                |
| Mechanical Load                    | Front side 5400 Pa / Back side 2400 Pa |

## Technical drawing



## I-V Curve

