

# SERIES 5

## 395-415W Mono

M10/182mm Cell . 108 Half-Cell Layout

Series 5 solar modules stand out with the breakthrough innovation of M10 size (182mm) solar cells for the highest power generation and the lowest LCOE, which makes Series 5 the optimal choice for large solar power plants. The gallium-doped wafer technology empowers significantly the performance against LID and the latest integrated segmented ribbon technology increases the power output and enhances the module reliability for long-term use.



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID  
Low LID  
Performance

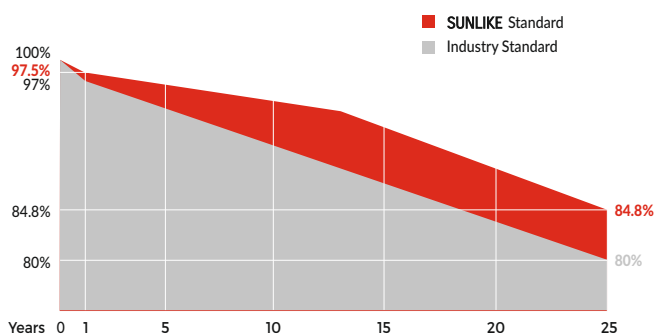


Less Hot Spot  
Shading Effects



Lower BOS & LCOE

### Linear performance Warranty



### Comprehensive Certificates

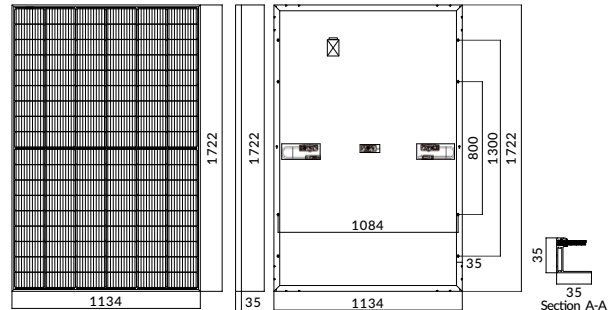
- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



# Mono | 395 - 415W

## MECHANICAL CHARACTERISTICS

|                      |                               |
|----------------------|-------------------------------|
| Solar Cells          | Mono                          |
| No. of Cells         | 108 (6x18)                    |
| Dimensions           | 1722 x 1134 x 35mm            |
| Weight               | 21.0kgs                       |
| Front Glass          | 3.2mm coated tempered glass   |
| Frame                | Anodized aluminium alloy      |
| Junction Box         | Ip68 rated (3 by pass diodes) |
|                      | 4.0mm <sup>2</sup>            |
| Output Cables        | 300mm (+) / 300mm (-)         |
|                      | Length can be customized      |
| Connectors           | Mc4 compatible                |
| Mechanical load test | 5400Pa                        |



## ELECTRICAL PARAMETERS

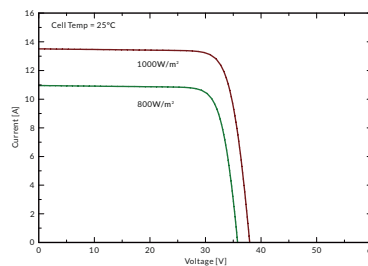
| POWER CLASS                     | LNVB-395M |        | LNVB-400M |        | LNVB-405M |        | LNVB-410M |        | LNVB-415M |        |
|---------------------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
|                                 | STC       | NMOT   | STC       | NMOT   | STC       | NMOT   | STC       | NMOT   | STC       | NMOT   |
| Maximum power (Pmax)            | 395W      | 298W   | 400W      | 302W   | 405W      | 306W   | 410W      | 310W   | 415W      | 314W   |
| Open Circuit Voltage (Voc)      | 37.24V    | 35.25V | 37.49V    | 35.54V | 37.74V    | 35.82V | 37.98V    | 36.10V | 38.22V    | 36.38V |
| Short Circuit Current (Isc)     | 13.56A    | 10.85A | 13.63A    | 10.89A | 13.70A    | 10.93A | 13.77A    | 10.97A | 13.84A    | 11.01A |
| Voltage at Maximum power (Vmpp) | 31.18V    | 29.13V | 31.40V    | 29.41V | 31.62V    | 29.68V | 31.83V    | 29.95V | 32.05V    | 30.22V |
| Current Maximum Power (Impp)    | 12.67A    | 10.23A | 12.74A    | 10.27A | 12.81A    | 10.31A | 12.88A    | 10.35A | 12.95A    | 10.39A |
| MODULE EFFICIENCY (%)           | 20.23%    |        | 20.48%    |        | 20.74%    |        | 21.00%    |        | 21.25%    |        |

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G    NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s, AM1.5G

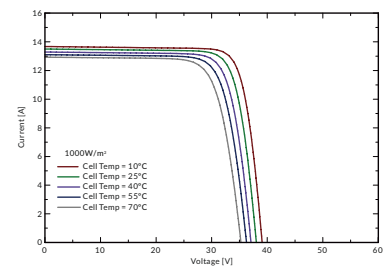
## PACKING CONFIGURATION

|                       |       |       |
|-----------------------|-------|-------|
| Container             | 20'GP | 40'HQ |
| Pieces per pallet     | 31    | 31    |
| Pallets per container | 6     | 26    |
| Pieces per container  | 186   | 806   |

## I-V CURVE



## LNVB-405M/I-V



## OPERATING CHARACTERISTICS

|                              |                |
|------------------------------|----------------|
| Operating Module Temperature | -40°C to +85°C |
| Maximum System Voltage       | 1500 DC (IEC)  |
| Maximum Series Fuse Rating   | 25A            |
| Power Tolerance              | 0/+5W          |

## TEMPERATURE CHARACTERISTICS

|                                      |           |
|--------------------------------------|-----------|
| Nominal Operating Temperature (NMOT) | 45±2°C    |
| Temperature Coefficient of Pmax      | -0.36%/°C |
| Temperature Coefficient of Voc       | -0.28%/°C |
| Temperature Coefficient of Isc       | +0.05%/°C |

**Note:** Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. SUNLIKE SOLAR have the sole right to make such modification at anytime without further notice.