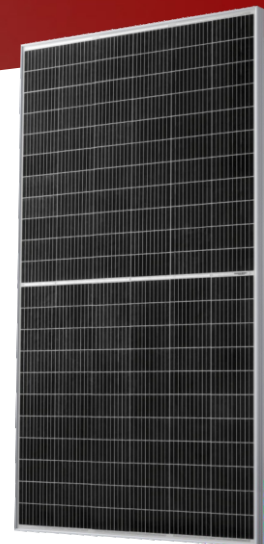


## LUXPOWER® SERIES 5 485-505W Mono

M10/182mm Cell . 132 Half-Cell Layout

LUXPOWER® 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

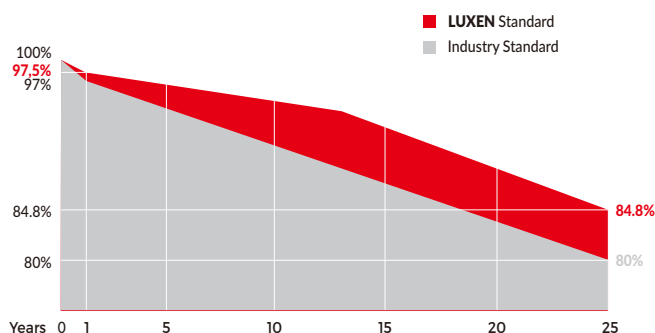


Less Hot Spot  
Shading Effects



Lower BOS & LCOE

### Linear performance Warranty



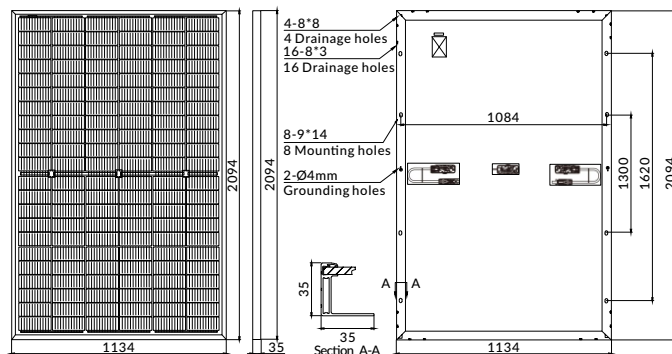
### Comprehensive Certificates

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



## MECHANICAL CHARACTERISTICS

|                      |                               |
|----------------------|-------------------------------|
| Solar Cells          | Mono                          |
| No. of Cells         | 132 (6x22)                    |
| Dimensions           | 2094 x 1134 x 35mm            |
| Weight               | 26.0kgs                       |
| 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 (+) / 400mm (-)         |
|                      | Length can be customized      |
| Connectors           | Mc4 compatible                |
| Mechanical load test | 5400Pa                        |



## ELECTRICAL PARAMETERS

| POWER CLASS                     | LNVT-485M |        | LNVT-490M |        | LNVT-495M |        | LNVT-500M |        | LNVT-505M |        |
|---------------------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
|                                 | STC       | NOCT   | STC       | NOCT   | STC       | NOCT   | STC       | NOCT   | STC       | NOCT   |
| Maximum power (Pmax)            | 485W      | 365W   | 490W      | 369W   | 495W      | 373W   | 500W      | 377W   | 505W      | 381W   |
| Open Circuit Voltage (Voc)      | 48.34V    | 44.93V | 48.51V    | 45.18V | 48.67V    | 45.44V | 48.83V    | 45.69V | 48.98V    | 45.94V |
| Short Circuit Current (Isc)     | 12.99A    | 10.55A | 13.06A    | 10.59A | 13.13A    | 10.63A | 13.20A    | 10.67A | 13.27A    | 10.71A |
| Voltage at Maximum power (Vmpp) | 40.08V    | 36.76V | 40.26V    | 37.01V | 40.44V    | 37.26V | 40.62V    | 37.51V | 40.79V    | 37.76V |
| Current Maximum Power (Impp)    | 12.10A    | 9.93A  | 12.17A    | 9.97A  | 12.24A    | 10.01A | 12.31A    | 10.05A | 12.38A    | 10.09A |
| MODULE EFFICIENCY (%)           | 20.42%    |        | 20.64%    |        | 20.85%    |        | 21.06%    |        | 21.27%    |        |

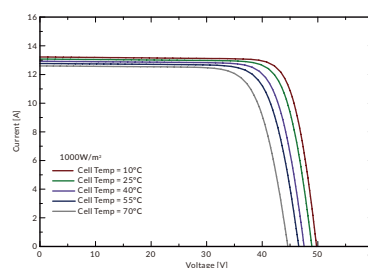
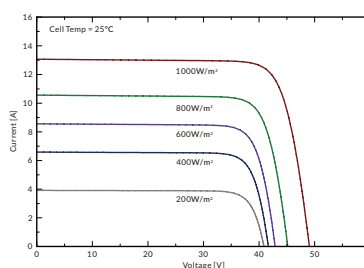
STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5GNOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s, AM1.5G

## PACKING CONFIGURATION

|                       |       |       |
|-----------------------|-------|-------|
| Container             | 20'GP | 40'HQ |
| Pieces per pallet     | 31    | 31    |
| Pallets per container | 5     | 22    |
| Pieces per container  | 155   | 682   |

## I-V CURVE

## LNVT-495M/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 (Noct) | 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. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.