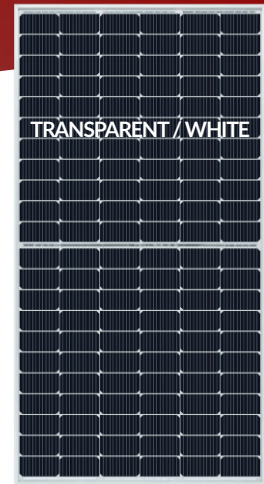


CNBPOWER® SERIES 5

485-505W Mono BIFACIAL DG

132 Half-Cell Layout

M10/182mm Cell



Bifacial Cell Module Technologies



Gallium-doped Technology



Half Cut Cell Technology



Anti-PID Low LID Performance

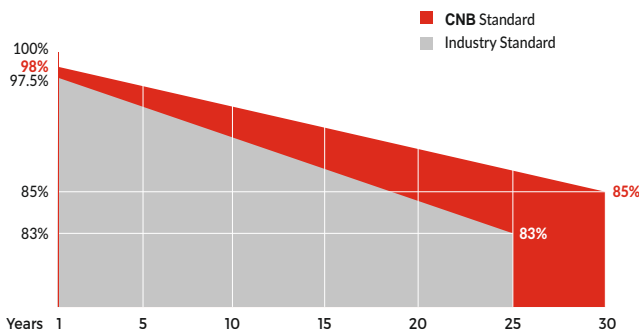


Less Hot Spot Shading Effects



Enduring High Reliability & Performance

Linear performance Warranty



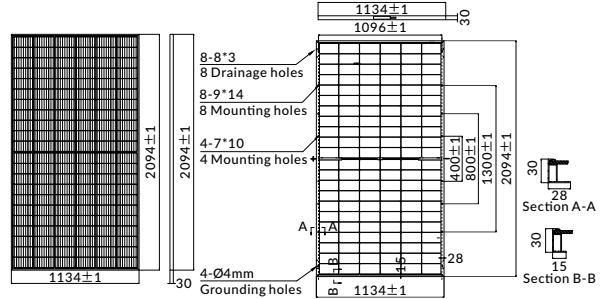
Comprehensive Certificates

- 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 30mm |
| Weight | 28.5kg |
| Front Glass | 2.0mm coated semi-tempered glass |
| Back Glass | 2.0mm semi-tempered glass |
| Junction Box | Ip68 rated (3 by pass diodes) |
| Output Cables | 4.0mm ² 300mm (+) / 300mm (-) Length can be customized |
| Connectors | Mc4 compatible |
| Mechanical load test | 5400Pa |



ELECTRICAL PARAMETERS

| POWER CLASS | LNVT-485MD | LNVT-490MD | LNVT-495MD | LNVT-500MD | LNVT-505MD |
|---------------------------------|------------|------------|------------|------------|------------|
| | STC | STC | STC | STC | STC |
| Maximum power (Pmax) | 485W | 490W | 495W | 500W | 505W |
| Open Circuit Voltage (Voc) | 48.34V | 48.51V | 48.67V | 48.83V | 48.98V |
| Short Circuit Current (Isc) | 12.99A | 13.06A | 13.13A | 13.20A | 13.27A |
| Voltage at Maximum power (Vmpp) | 40.08V | 40.26V | 40.44V | 40.62V | 40.79V |
| Current Maximum Power (Impp) | 12.10A | 12.17A | 12.24A | 12.31A | 12.38A |
| MODULE EFFICIENCY (%) | 20.42% | 20.64% | 20.85% | 21.06% | 21.27% |

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

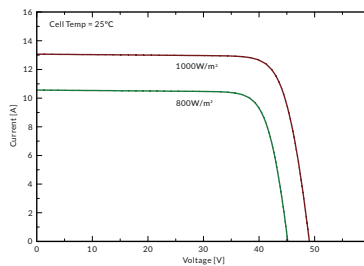
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

| | | LNVT-485MD | LNVT-490MD | LNVT-495MD | LNVT-500MD | LNVT-505MD |
|-----|---------------------------|------------|----------------------|------------|------------|------------|
| | | 5% | Maximum power (Pmax) | 509W | 515W | 520W |
| | Module Efficiency STC (%) | 21.45% | 21.67% | 21.89% | 22.11% | 22.33% |
| 15% | Maximum power (Pmax) | 558W | 564W | 569W | 575W | 581W |
| | Module Efficiency STC (%) | 23.49% | 23.73% | 23.97% | 24.21% | 24.46% |
| 25% | Maximum Power (Pmax) | 606W | 613W | 619W | 625W | 631W |
| | Module Efficiency STC (%) | 25.53% | 25.79% | 26.06% | 26.32% | 26.58% |

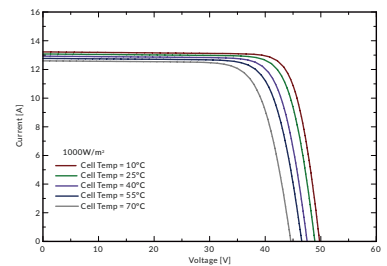
PACKING CONFIGURATION

| | | |
|-----------------------|-------|-------|
| Container | 20'GP | 40'HQ |
| Pieces per pallet | 36 | 36 |
| Pallets per container | 5 | 22 |
| Pieces per container | 180 | 792 |

I-V CURVE



LNV-495MD/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 | -0.32%/°C |
| Temperature Coefficient of Voc | -0.26%/°C |
| Temperature Coefficient of Isc | +0.046%/°C |

Note: The specifications, data and technical characteristics provided in this data sheet are subject to changes due to continuous R&D, product innovation and improvement. CNB SOLAR reserves the right to modify the information any time without prior notice.