

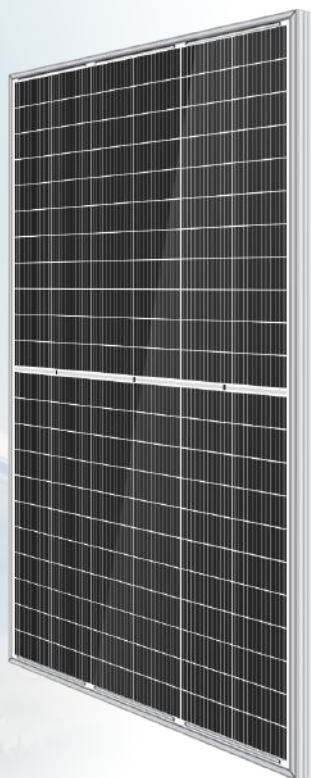


Monofacial

Bifacial

# LP210\*210-M-66-NH N-Type TOPCon

Rated Power 690-720W



**N-Type MBB Cell**  
New circuit design N-type cells, can increase the output power of 10W~20W



**Low Light Features**  
Higher performance under low light environment.



**Higher Output Power**  
Module adopts 132 pcs of 210\*210mm half cells, the maximum power can reach 720W.



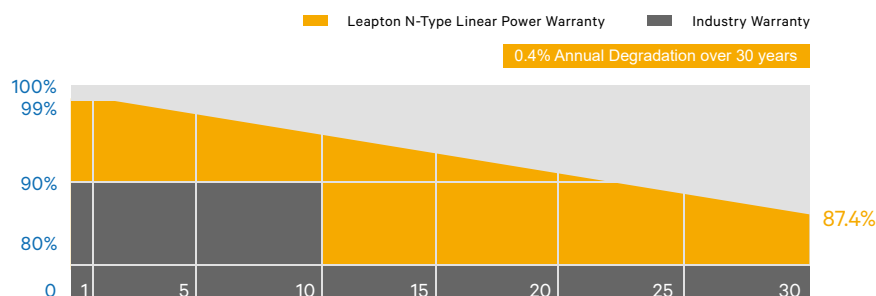
**PID Protection**  
Ensure the attenuation probability caused by PID phenomenon is minimized.



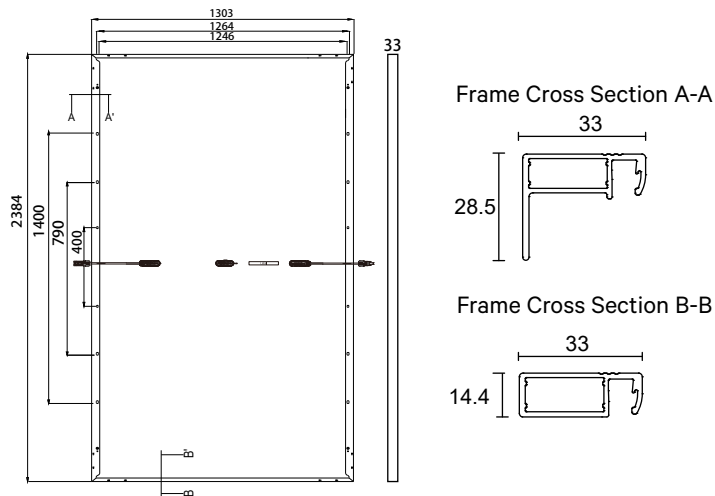
**Harsh Environmental Adaptability**  
Strict salt spray and ammonia corrosion test by TUV Nord.



**Load Capacity**  
Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV Nord.



## MECHANICAL DIAGRAMS



## SPECIFICATIONS

|                        |                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Weight                 | 34kg                                                                                                                             |
| Dimensions             | 2384mm*1303mm*33mm                                                                                                               |
| Cell Dimensions        | 210*210mm                                                                                                                        |
| Cell Amount            | 66*2 pcs                                                                                                                         |
| Maximum System Voltage | 1500V                                                                                                                            |
| Junction Box           | IP68                                                                                                                             |
| Front glass            | 3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass                                                      |
| Frame                  | Aluminum Alloy                                                                                                                   |
| Cable                  | 4mm <sup>2</sup> , N 1400mm/P 1400mm for Horizontal installation<br>4mm <sup>2</sup> , N 320mm/P 320mm for Vertical installation |
| Connector              | MC4 compatible                                                                                                                   |

## ELECTRICAL PARAMETERS AT STC

|                       |        |        |        |        |        |        |        |
|-----------------------|--------|--------|--------|--------|--------|--------|--------|
| Power                 | 690W   | 695W   | 700W   | 705W   | 710W   | 715W   | 720W   |
| Open Circuit Voltage  | 47.80V | 48.00V | 48.20V | 48.40V | 48.60V | 48.80V | 49.00V |
| Short Circuit Current | 18.30A | 18.40A | 18.48A | 18.52A | 18.57A | 18.61A | 18.65A |
| Maximum Power Voltage | 39.80V | 40.00V | 40.20V | 40.40V | 40.60V | 40.80V | 41.00V |
| Maximum Power Current | 17.34A | 17.38A | 17.41A | 17.45A | 17.49A | 17.52A | 17.56A |
| Module Efficiency     | 22.21% | 22.37% | 22.53% | 22.70% | 22.86% | 23.12% | 23.18% |

\* Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

## ELECTRICAL PARAMETERS AT NMOT

|                       |        |        |        |        |        |        |        |
|-----------------------|--------|--------|--------|--------|--------|--------|--------|
| Power                 | 526W   | 530W   | 534W   | 538W   | 541W   | 545W   | 549W   |
| Open Circuit Voltage  | 45.35V | 45.55V | 45.75V | 45.95V | 46.15V | 46.35V | 46.55V |
| Short Circuit Current | 14.70A | 14.78A | 14.82A | 14.86A | 14.91A | 14.94A | 14.97A |
| Maximum Power Voltage | 37.60V | 37.80V | 38.00V | 38.20V | 38.35V | 38.55V | 38.75V |
| Maximum Power Current | 13.99A | 14.02A | 14.05A | 14.08A | 14.11A | 14.14A | 14.17A |

\* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

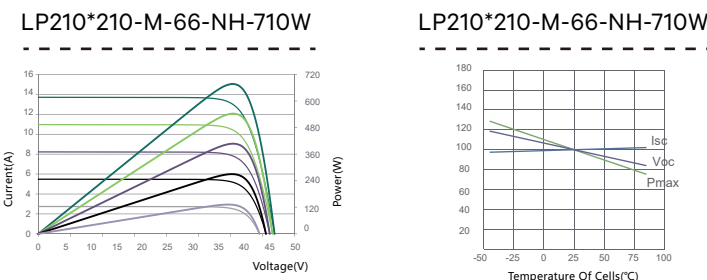
## TEMPERATURE CHARACTERISTICS

|                         |           |                          |            |
|-------------------------|-----------|--------------------------|------------|
| NMOT                    | 41±3°C    | Temp Coefficient of ISC  | +0.046%/°C |
| Temp Coefficient of VOC | -0.25%/°C | Temp Coefficient of Pmax | -0.30%/°C  |

## PACKING CONFIGURATION

|                     |                                    |                      |            |
|---------------------|------------------------------------|----------------------|------------|
| Modules/Pallet      | 34 Pieces                          | Modules/40'Container | 612 Pieces |
| Packing Description | 18 Pallets, Total=34x18=612 Pieces |                      |            |

## CHARACTERISTICS



## MAXIMUM RATING

|                       |               |
|-----------------------|---------------|
| Output Tolerance      | 0~+5W         |
| Operating Temperature | -40°C~+85°C   |
| Wind Load/Snow Load   | 2400pa/5400pa |
| Fuse Current          | 30A           |



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