

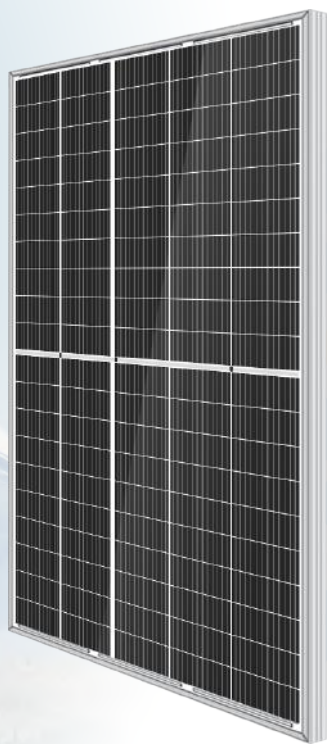


Monocrystalline

Polycrystalline

# LP210\*210-M-50-MH

Rated Power 490-505W



**MBB Cell**  
New circuit design, lower internal current, lower internal resistance loss.



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



**Higher Output Power**  
Module adopts 100 pcs of 210\*210mm half cells, the maximum power can reach 505W.



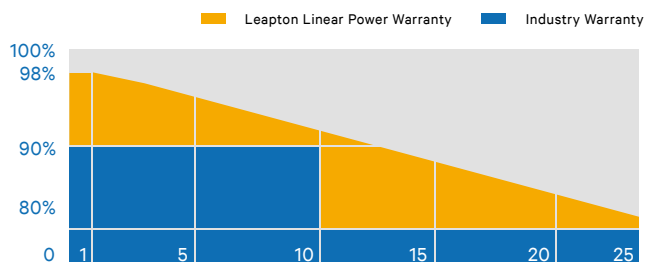
**PID Protection**  
Ensure the attenuation probability caused by PID phenomenon is minimized.



**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.



\*J-PEC Product



IEC 61215-2: 2016  
IEC 61730-2: 2016

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Manufacturer : Leapton Solar (Changshu) Co., Ltd.

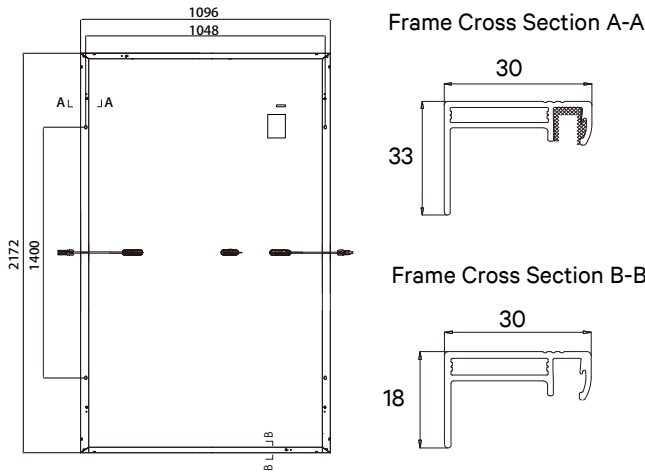
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### MECHANICAL DIAGRAMS



### SPECIFICATIONS

Weight	26kg
Dimensions	2172mm*1096mm*30mm
Cell Dimensions	210*210mm
Cell Amount	50*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm <sup>2</sup> , Landscape: N 1300mm/P 1300mm Portrait: N 280mm/P 280mm
Connector	MC4 compatible
Application Level	Class A

### ELECTRICAL PARAMETERS AT STC

Power	490W	495W	500W	505W
Open Circuit Voltage	34.44V	34.64V	34.84V	35.04V
Short Circuit Current	18.12A	18.17A	18.22A	18.27A
Maximum Power Voltage	28.64V	28.84V	29.04V	29.24V
Maximum Power Current	17.11A	17.16A	17.22A	17.27A
Module Efficiency	20.58%	20.79%	21.00%	21.21%

\* 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	370W	374W	378W	382W
Open Circuit Voltage	31.96V	32.15V	32.33V	32.52V
Short Circuit Current	14.86A	14.90A	14.94A	14.98A
Maximum Power Voltage	26.55V	26.73V	26.92V	27.11V
Maximum Power Current	13.95A	14.00A	14.04A	14.08A
Module Efficiency	15.56%	15.72%	15.88%	16.04%

\* 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	+0.05%/°C
Temp Coefficient of VOC	-0.28%/°C	Temp Coefficient of Pmax	-0.36%/°C

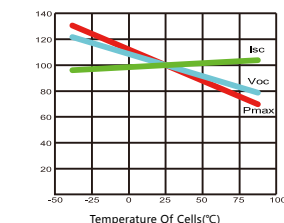
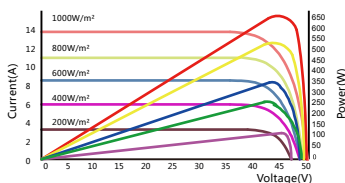
### PACKING CONFIGURATION

Modules/Pallet	36 Pieces	Modules/40'Container	720 Pieces
Packing Description	20 Pallets, Total=(36+36)x10=720 Pieces		

### CHARACTERISTICS

LP210\*210-M-50-MH-490W

LP210\*210-M-50-MH-490W



### 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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