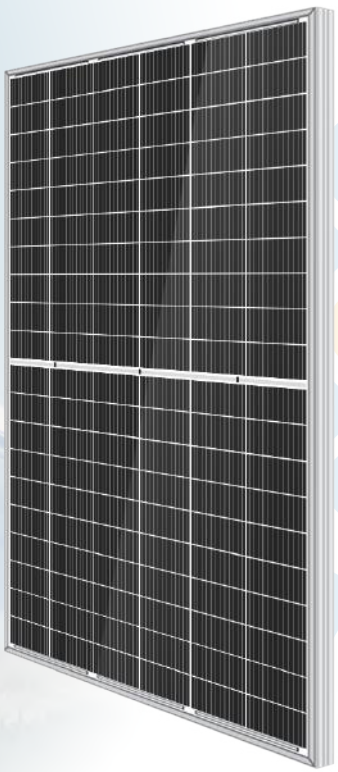
2021 V2.1

LEAPTON SOLAR

Monocrystalline | Polycrystalline

LP210*210-M-60-MH Bifacial

Rated Power 590-605W



No risk of spontaneous detonation

Bifacial Module is 30% lighter than Dual-Glass Module

Bifacial cells, provide an additional output

Ability to breath, The inner CH3COOH can be released

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

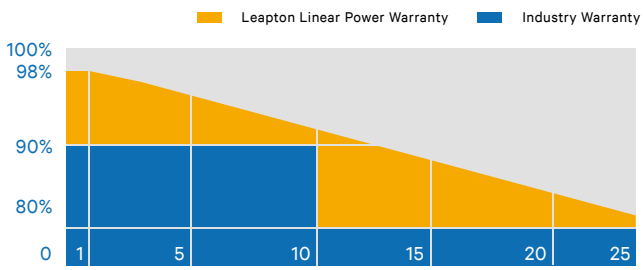
Low Light Features
Higher performance under low light environment.

Higher Output Power
Module adopts 210*210mm half cells, bifacial module provide an additional 5%~25% output.

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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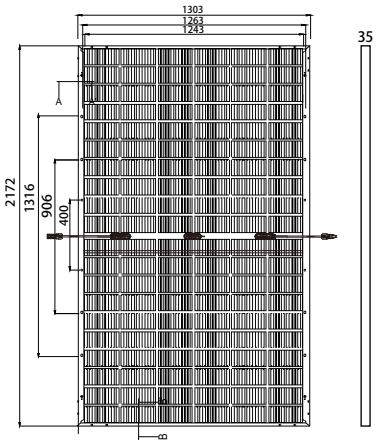
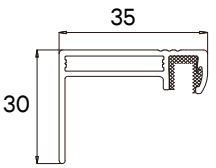
LP210*210-M-60-MH

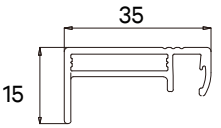
MECHANICAL DIAGRAMS



Frame Cross Section A-A



Frame Cross Section B-B



SPECIFICATIONS

Weight	31kg
Dimensions	2172mm*1303mm*35mm
Cell Dimensions	210*210mm
Cell Amount	60*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm², Landscape: N 1300mm/P 1300mm Portrait: N 280mm/P 280mm
Connector	MC4 compatible
Application Level	Class A
Bifaciality	70±5%

ELECTRICAL PARAMETERS AT STC

Power	590W	595W	600W	605W
Open Circuit Voltage	41.10V	41.30V	41.50V	41.70V
Short Circuit Current	18.42A	18.47A	18.52A	18.57A
Maximun Power Voltage	34.00V	34.20V	34.40V	34.60V
Maximum Power Current	17.35A	17.40A	17.44A	17.49A
Module Efficiency	20.85%	21.02%	21.20%	21.38%

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m2, spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL PARAMETERS AT NMOT

Power	451W	455W	459W	463W
Open Circuit Voltage	38.14V	38.33V	38.51V	38.70V
Short Circuit Current	15.10A	15.15A	15.19A	15.23A
Maximun Power Voltage	31.52V	31.70V	31.89V	32.07V
Maximum Power Current	14.32A	14.36A	14.39A	14.43A
Module Efficiency	15.94%	16.08%	16.22%	16.36%

* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m2, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RADIO

Output Power	631W	637W	642W	647W
Open Circuit Voltage	41.10V	41.30V	41.50V	41.70V
Short Circuit Current	19.71A	19.76A	19.82A	19.87A
Maximun Power Voltage	34.00V	34.20V	34.40V	34.60V
Maximum Power Current	18.75A	18.62A	18.66A	18.71A

TEMPERATURE CHARACTERISTICS

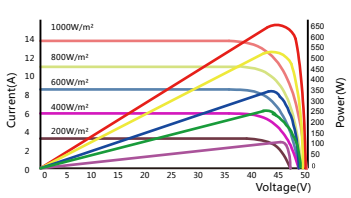
NMOT	41±3°C	Temp Coefficient of ISC	+0.05%/°C
Temp Coefficient of VOC	-0.28%/°C	Temp Coefficient of Pmax	-0.36%/°C

PACKING CONFIGURATION

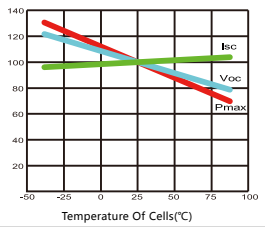
Modules/Pallet	31 Pieces	Modules/40'Container	558 Pieces
Packing Description	18 Pallets, Total=31x18=558 Pieces		

CHARACTERISTICS

LP210*210-M-60-MH-590W



LP210*210-M-60-MH-590W



MAXIMUM RATING

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

15 YEARS Quality Warranty

25 YEARS Power Warranty

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