



LEAPTON
SOLAR

Monocrystalline

Polycrystalline

LP210*210-M-55-MH Bifacial

Rated Power 535-550W



- 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.

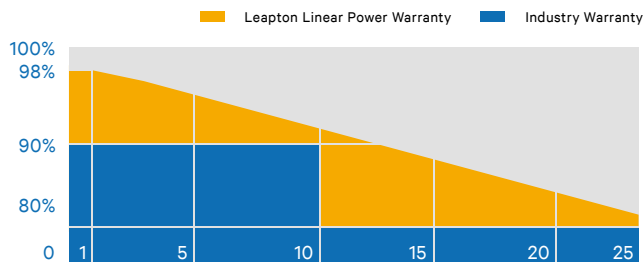
Low Light Features
Higher performance under low light environment.

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.



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

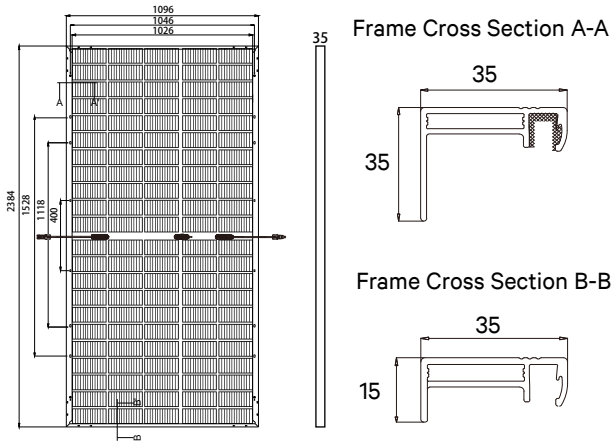
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MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	29.5kg
Dimensions	2384mm*1096mm*35mm
Cell Dimensions	210*210mm
Cell Amount	55*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , Landscape: N 1400mm/P 1400mm Portrait: N 280mm/P 280mm
Connector	MC4 compatible
Application Level	Class A
Bifaciality	70±5%

ELECTRICAL PARAMETERS AT STC

Power	535W	540W	545W	550W
Open Circuit Voltage	37.66V	37.86V	38.06V	38.26V
Short Circuit Current	18.07A	18.12A	18.17A	18.22A
Maximum Power Voltage	31.36V	31.56V	31.76V	31.96V
Maximum Power Current	17.07A	17.11A	17.16A	17.21A
Module Efficiency	20.48%	20.67%	20.86%	21.05%

* 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	405W	409W	413W	417W
Open Circuit Voltage	34.95V	35.13V	35.32V	35.51V
Short Circuit Current	14.82A	14.86A	14.90A	14.94A
Maximum Power Voltage	29.07V	29.26V	29.44V	29.63V
Maximum Power Current	13.93A	13.98A	14.03A	14.08A
Module Efficiency	15.50%	15.65%	15.81%	15.96%

* 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	572W	578W	583W	589W
Open Circuit Voltage	37.66V	37.86V	38.06V	38.26V
Short Circuit Current	19.33A	19.39A	19.44A	19.50A
Maximum Power Voltage	31.36V	31.56V	31.76V	31.96V
Maximum Power Current	18.25A	18.31A	18.36A	18.41A

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

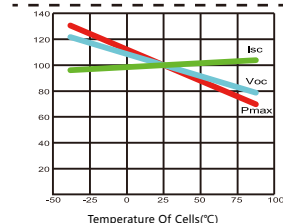
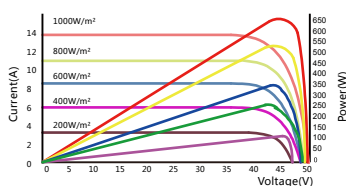
Modules/Pallet	31 Pieces	Modules/40'Container	620 Pieces
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Packing Description: 20 Pallets, Total=(31+31)x10=620 Pieces

CHARACTERISTICS

LP210*210-M-55-MH-535W

LP210*210-M-55-MH-535W



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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