



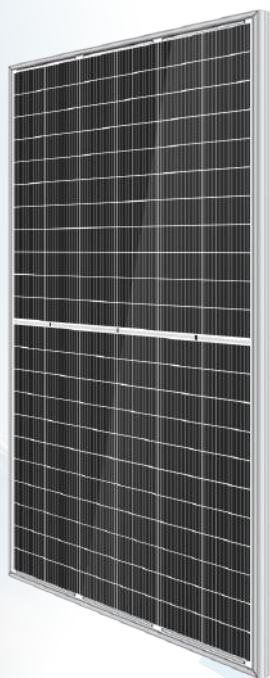
LEAPTON
SOLAR

Monofacial

Bifacial

LP210*210-M-66-NB N-Type TOPCon Dual Glass

Rated Power 680-700W



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.



Bifacial with dual glass

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.



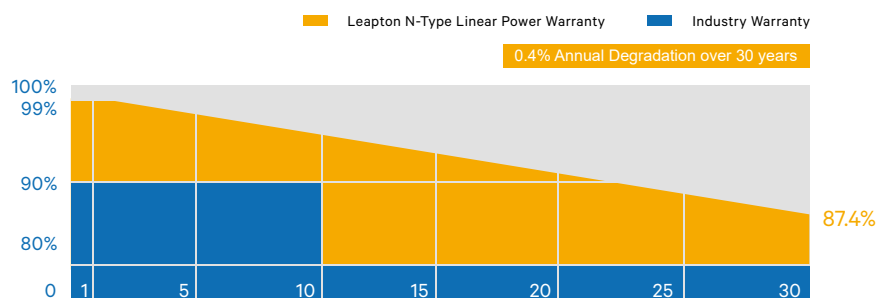
Harsh Environmental Adaptability

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.



Headquarter : Leapton Energy Co., Ltd.

📍 Tosei Bldg. 6F, 1-2-1 Aioi-cho, Chuo-ku Kobe-shi, Hyogo, 650-0025, Japan

☎ +81-78-382-3182

🌐 www.leaptonenergy.jp

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

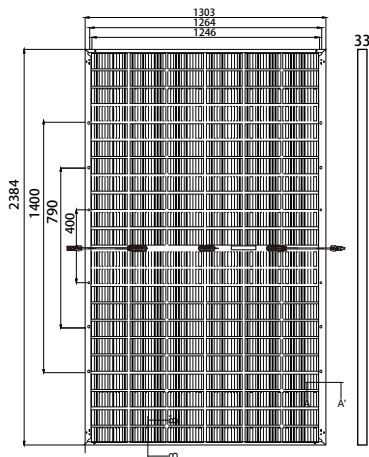
📍 No.9, Sunshine Avenue, Changshu City, Jiangsu, China

☎ +86-512-88800068

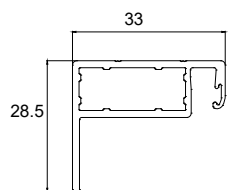
✉ info@leaptonenergy.com

🌐 www.leaptonpv.com

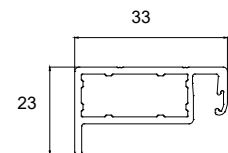
MECHANICAL DIAGRAMS



Frame Cross Section A-A



Frame Cross Section B-B



SPECIFICATIONS

Weight	38kg
Dimensions	2384mm*1303mm*33mm
Cell Dimensions	210*210mm
Cell Amount	66*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , N 1500mm/P 1500mm for Horizontal installation 4mm ² , N 320mm/P 320mm for Vertical installation
Connector	MC4 compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Power	680W	685W	690W	695W	700W
Open Circuit Voltage	47.40V	47.60V	47.80V	48.00V	48.20V
Short Circuit Current	18.18A	18.25A	18.30A	18.40A	18.48A
Maximum Power Voltage	39.40V	39.60V	39.80V	40.00V	40.20V
Maximum Power Current	17.26A	17.30A	17.34A	17.38A	17.41A
Module Efficiency	21.89%	22.05%	22.21%	22.37%	22.53%

* 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	518W	522W	526W	529W	533W
Open Circuit Voltage	44.95V	45.15V	45.35V	45.55V	45.75V
Short Circuit Current	14.62A	14.67A	14.70A	14.78A	14.82A
Maximum Power Voltage	37.20V	37.40V	37.60V	37.80V	38.00V
Maximum Power Current	13.92A	13.96A	13.99A	13.99A	14.03A
Module Efficiency	16.68%	16.80%	16.93%	17.03%	17.16%

* 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 PARAMETERS (AT 10% BIFACIAL POWER OUTPUT)

Output Power	748W	754W	759W	765W	770W
Open Circuit Voltage	47.40V	47.60V	47.80V	48.00V	48.20V
Short Circuit Current	20.07A	20.12A	20.17A	20.21A	20.27A
Maximum Power Voltage	39.40V	39.60V	39.80V	40.00V	40.20V
Maximum Power Current	18.98A	19.04A	19.07A	19.13A	19.15A

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

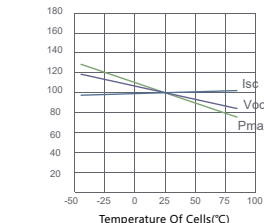
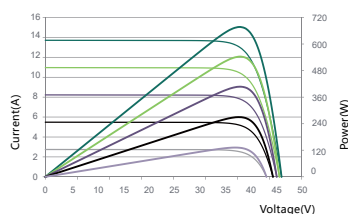
PACKING CONFIGURATION

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

CHARACTERISTICS

LP210*210-M-66-NB-690W

LP210*210-M-66-NB-690W



MAXIMUM RATING

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	35A



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