2024 V1

LEAPTON SOLAR

Monofacial | Bifacial

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

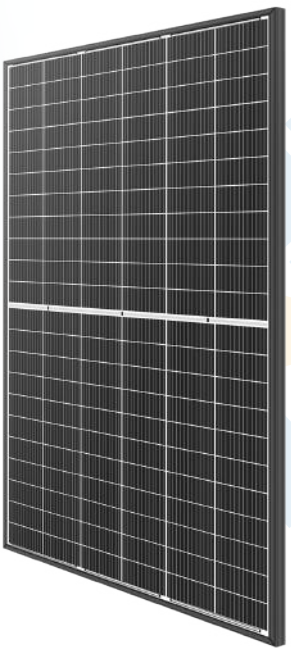
Rated Power 690W

Power Tolerance: 0~+5 W

FIBERGLASS FRAME

TIER 1 Bloomberg NEW ENERGY FINANCE

PVEL MAKE DATA MATTER.



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.

Superb corrosion resistance
With fiberglass frame, resistant to salt spray and ammonia. Can be installed in any environment.

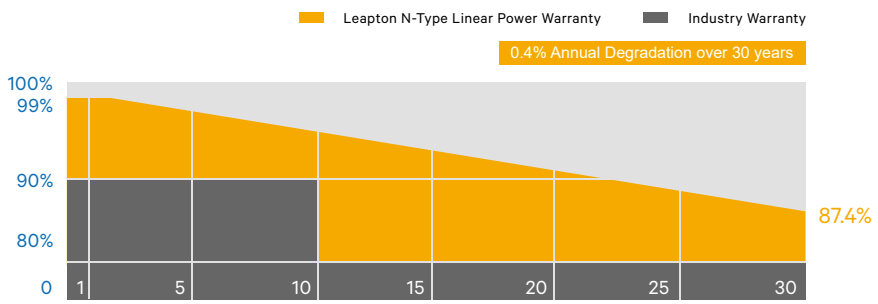
Maintains its shape
Fiberglass has highly resistant to deformation, even in extreme conditions like high temperature and humidity.

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

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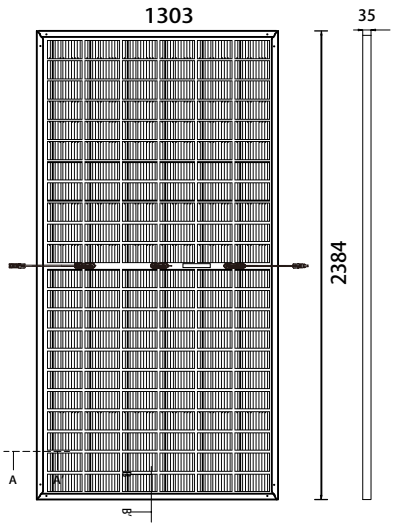
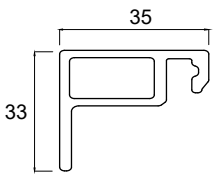
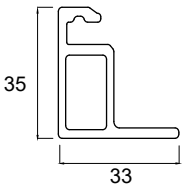
MECHANICAL DIAGRAMS



Frame Cross Section A-A



Frame Cross Section B-B



SPECIFICATIONS

Weight	39kg
Dimensions	2384mm*1303mm*35mm
Cell Dimensions	210*210mm
Cell Amount	66*2 pcs
Cell type	Mono Si
Maximum System Voltage	1500V
Junction Box	IP68
Front glass	2.0mm, Anti-Reflection Coating
Back galss	2.0mm, Heat Strengthened Glass
Frame	Fiberglass
Cable	$4mm^2$, N 1500mm/P 1500mm for Horizontal installation $4mm^2$, N 320mm/P 320mm for Vertical installation
Connector	MC4 compatible
Bifaciality	80±5%
Ex-tarifario	EX 724

ELECTRICAL PARAMETERS AT STC

Power	690W
Open Circuit Voltage	47.80V
Short Circuit Current	18.30A
Maximun Power Voltage	39.80V
Maximum Power Current	17.34A
Module Efficiency	22.21%

ELECTRICAL PARAMETERS AT NMOT

Power	526W
Open Circuit Voltage	45.35V
Short Circuit Current	14.70A
Maximun Power Voltage	37.60V
Maximum Power Current	13.99A

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

* Measuring tolerance: ±3%

* 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 (10% BIFACIAL)

Output Power	759W
Open Circuit Voltage	47.80V
Short Circuit Current	20.17A
Maximun Power Voltage	39.80V
Maximum Power Current	19.07A

TEMPERATURE CHARACTERISTICS

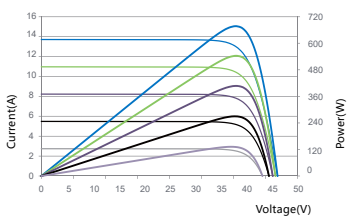
NMOT	41±3°C
Temp Coefficient of VOC	-0.25%/°C
Temp Coefficient of ISC	+0.046%/°C
Temp Coefficient of Pmax	-0.30%/°C

PACKING CONFIGURATION

Modules/Pallet	32 Pieces	Modules/40'Container	576 Pieces
Packing Description	18 Pallets, Total=32x18=576 Pieces		

CHARACTERISTICS

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



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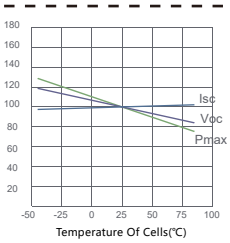

MAXIMUM RATING

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

25 YEARS Quality Warranty

30 YEARS Power Warranty

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