



**LEAPTON**  
SOLAR

Monocrystalline

# LP182\*182-M-54-MH

Rated Power 410-415W



### MBB Cell

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



### Low Light Features

Higher performance under low light environment.



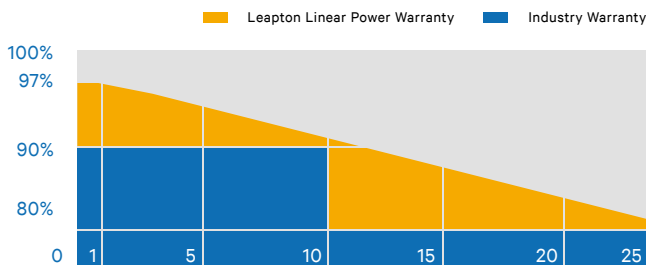
### Higher Output Power

Module adopts 108 pcs of 182\*182mm half cells, the maximum power can reach 415W.



### 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.

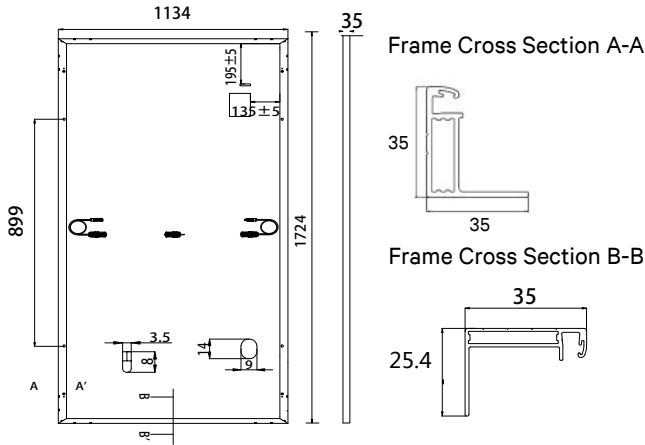
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## MECHANICAL DIAGRAMS



## SPECIFICATIONS

Weight	22kg
Dimensions	1724mm*1134mm*35mm
Cell Dimensions	182*182mm
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm <sup>2</sup> , Landscape: N 1100mm/P 1100mm Portrait: N 200mm/P 300mm
Connector	PV-GZX 1500
Application Level	Class A
Country of Manufacturer	China
Fire Safety Class	Class C according to ANSI/UL 1703-2108 (per ANSI/UL 790-2018)

## ELECTRICAL PARAMETERS AT STC

Module Name	LP182*182-M-54-MH-410W	LP182*182-M-54-MH-415W
Power	410W±3%	415W±3%
Open Circuit Voltage	37.34V±5%	37.54V±5%
Short Circuit Current	13.70A±5%	13.75A±5%
Maximum Power Voltage	31.22V	31.62V
Maximum Power Current	13.06A	13.12A
Module Efficiency	20.97%	21.23%

\* 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	302W	306W
Open Circuit Voltage	34.89V	35.09V
Short Circuit Current	10.80A	11.00A
Maximum Power Voltage	29.18V	29.38V
Maximum Power Current	10.35A	10.40A
Module Efficiency	15.45%	15.65%

\* 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

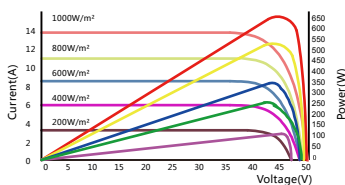
NMOT	41±3°C	Temp Coefficient of ISC	+0.05%/°C
Temp Coefficient of VOC	-0.28%/°C	Temp Coefficient of Pmax	-0.36%/°C

## PACKING CONFIGURATION

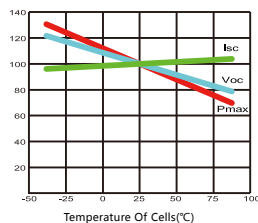
Modules/Pallet	31 Pieces	Modules/40'Container	806 Pieces
Packing Description	26 Pallets, Total=(31+31)x13=806 Pieces		

## CHARACTERISTICS

LP182\*182-M-54-MH-410W



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## MAXIMUM RATING

Output Tolerance	±3%
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	25A

**25** YEARS Product Warranty

**25** YEARS Power Warranty