



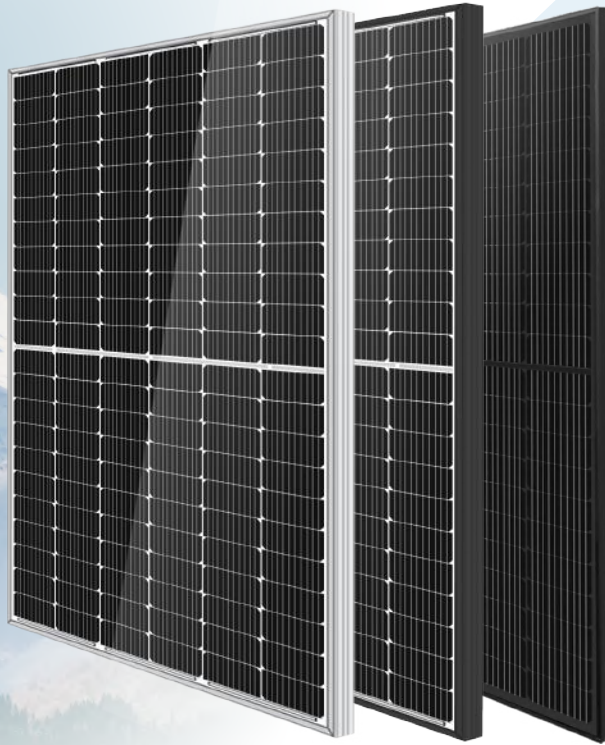
LEAPTON
SOLAR

Monocrystalline

Polycrystalline

LP182*182-M-66-MH

Rated Power 485-510W



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 132 pcs of 182*182mm half cells, the maximum power can reach 510W.



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.

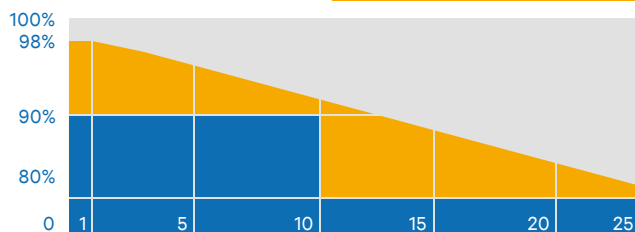


Load Capacity

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV Nord.

Lepton Linear Power Warranty Industry Warranty

0.55% Annual Degradation over 25 years



*J-PEC Product



IEC 61215-2: 2016
IEC 61730-2: 2016

Headquarter : Lepton Energy Co., Ltd.

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

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

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

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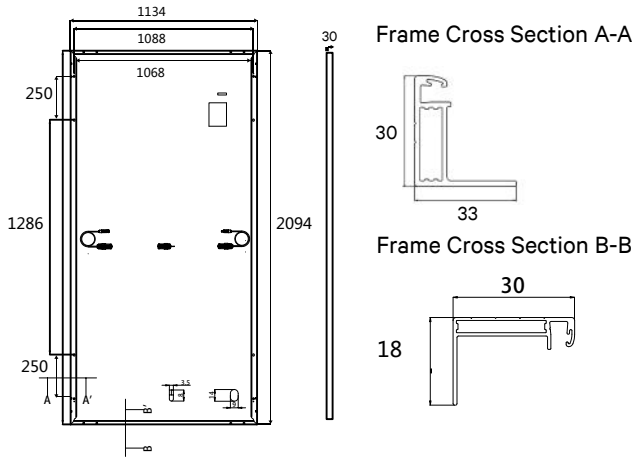
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MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	26kg
Dimensions	2094mm*1134mm*30mm
Cell Dimensions	182*182mm
Cell Amount	66*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , N 1300mm/P 1300mm or customized length
Connector	MC4 compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Power	485W	490W	495W	500W	505W	510W
Open Circuit Voltage	44.70V	44.90V	45.10V	45.30V	45.50V	45.70V
Short Circuit Current	13.68A	13.73A	13.78A	13.83A	13.89A	13.94A
Maximum Power Voltage	37.20V	37.40V	37.60V	37.80V	38.00V	38.20V
Maximum Power Current	13.04A	13.10A	13.16A	13.22A	13.28A	13.34A
Module Efficiency	20.42%	20.64%	20.85%	21.06%	21.27%	21.48%

* 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	357W	360W	364W	368W	372W	375W
Open Circuit Voltage	41.70V	41.90V	42.10V	42.30V	42.50V	42.70V
Short Circuit Current	11.02A	11.07A	11.12A	11.17A	11.22A	11.27A
Maximum Power Voltage	34.60V	34.80V	35.00V	35.20V	35.40V	35.60V
Maximum Power Current	10.32A	10.35A	10.40A	10.45A	10.51A	10.53A
Module Efficiency	15.03%	15.16%	15.33%	15.50%	15.67%	15.80%

* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m², 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

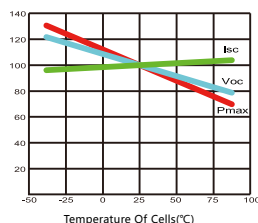
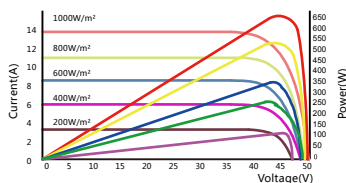
PACKING CONFIGURATION

Modules/Pallet	36 Pieces	Modules/40'Container	792 Pieces
Packing Description	22 Pallets, Total=(36+36)x11=792 Pieces		

CHARACTERISTICS

LP182*182-M-66-MH-485W

LP182*182-M-66-MH-485W



MAXIMUM RATING

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	25A



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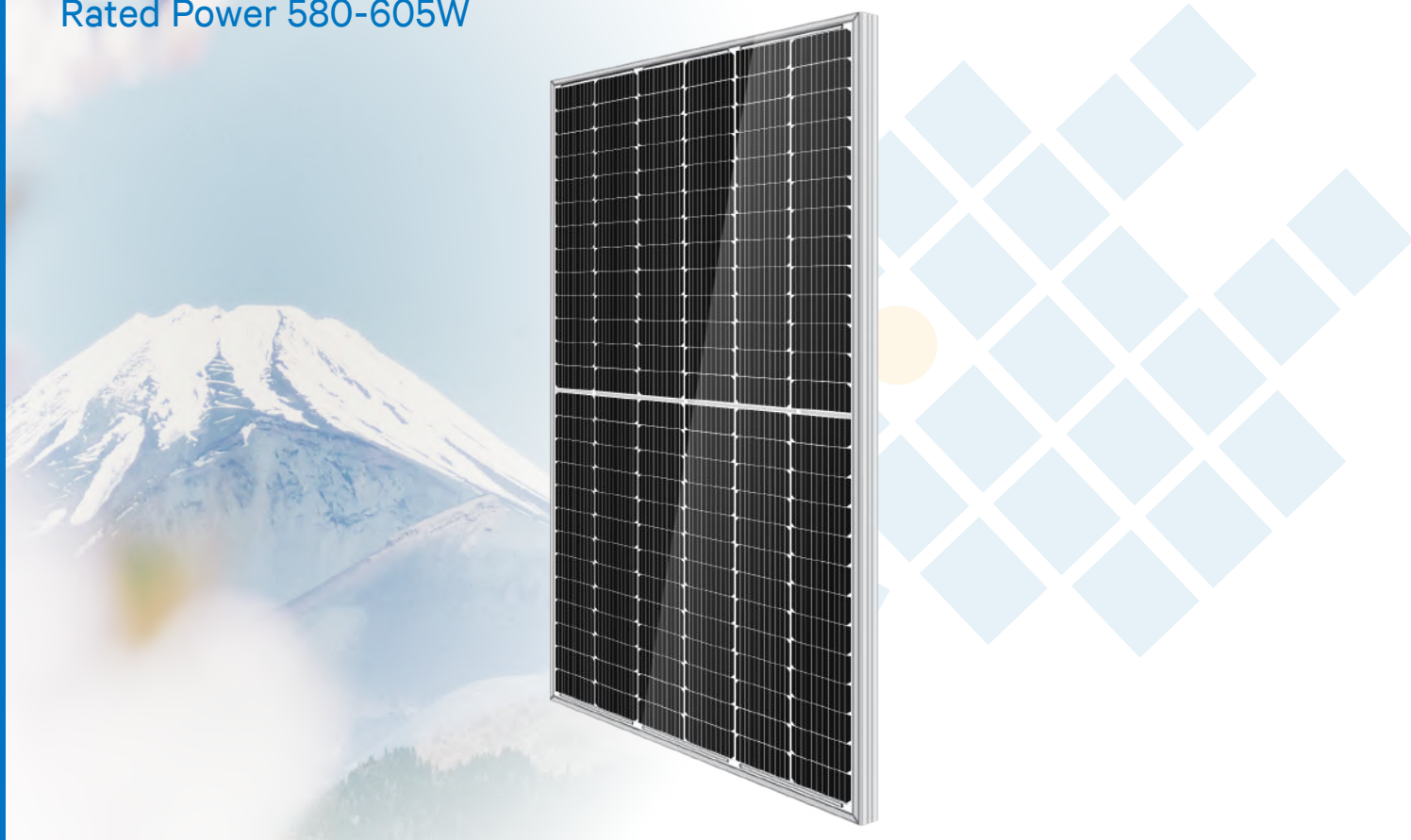
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🌐 www.leaptonpv.com

LP182*182-M-78-MH

Rated Power 580-605W



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 156 pcs of 182*182mm half cells, the maximum power can reach 605W.



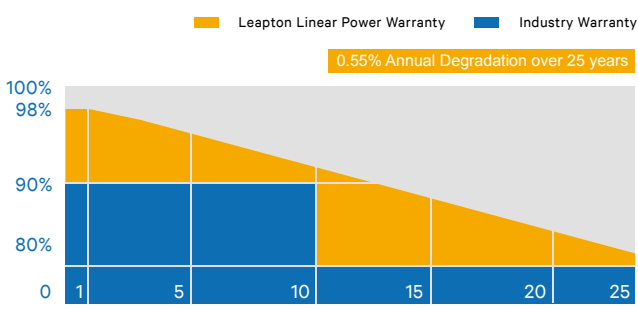
PID Protection
Ensure the attenuation probability caused by PID phenomenon is minimized.



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



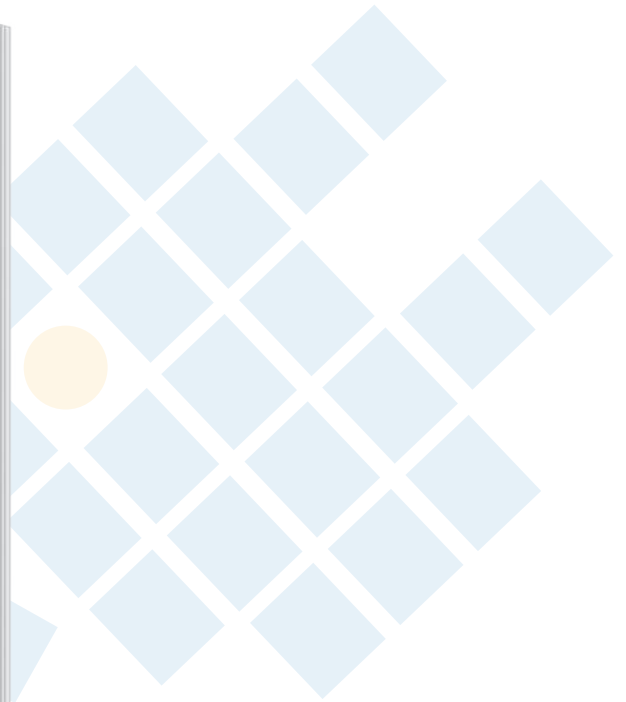
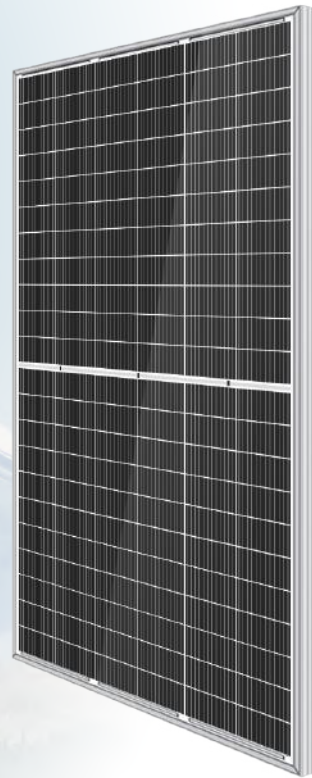
LEAPTON
SOLAR

Monocrystalline

Polycrystalline

LP210*210-M-66-MH

Rated Power 650-670W



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 132 pcs of 210*210mm half cells, the maximum power can reach 670W.



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.

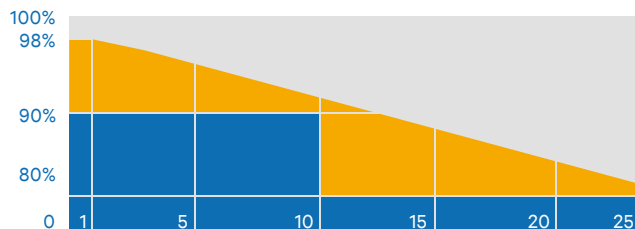


Load Capacity

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV Nord.

■ Leapton Linear Power Warranty ■ Industry Warranty

0.55% Annual Degradation over 25 years



*J-PEC Product



IEC 61215-2: 2016
IEC 61730-2: 2016

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🌐 www.leaptonenergy.jp

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

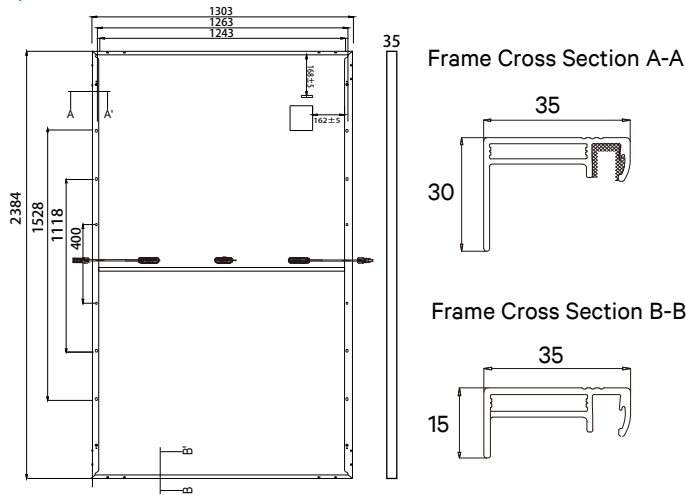
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MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	34kg
Dimensions	2384mm*1303mm*35mm
Cell Dimensions	210*210mm
Cell Amount	66*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , N 320mm/P 320mm or customized length
Connector	MC4 compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Power	650W	655W	660W	665W	670W
Open Circuit Voltage	45.58V	45.78V	45.98V	46.18V	46.38V
Short Circuit Current	18.16A	18.21A	18.26A	18.31A	18.36A
Maximum Power Voltage	37.61V	37.81V	38.01V	38.21V	38.41V
Maximum Power Current	17.28A	17.32A	17.36A	17.40A	17.44A
Module Efficiency	20.92%	21.09%	21.25%	21.41%	21.57%

* 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	491W	495W	499W	503W	507W
Open Circuit Voltage	42.30V	42.48V	42.67V	42.86V	43.04V
Short Circuit Current	14.89A	14.93A	14.97A	15.01A	15.06A
Maximum Power Voltage	34.86V	35.05V	35.24V	35.42V	35.61V
Maximum Power Current	14.09A	14.13A	14.16A	14.19A	14.23A
Module Efficiency	15.82%	15.94%	16.06%	16.18%	16.32%

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

TEMPERATURE CHARACTERISTICS

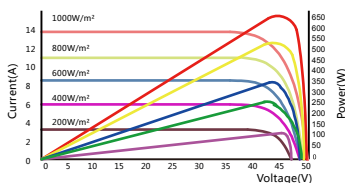
NMOT	41±3°C	Temp Coefficient of ISC	+0.04%/°C
Temp Coefficient of VOC	-0.25%/°C	Temp Coefficient of Pmax	-0.34%/°C

PACKING CONFIGURATION

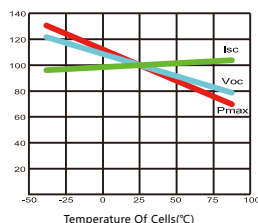
Modules/Pallet	31 Pieces	Modules/40'Container	558 Pieces
Packing Description	18 Pallets, Total=31x18=558 Pieces		

CHARACTERISTICS

LP210*210-M-66-MH-650W



LP210*210-M-66-MH-650W



MAXIMUM RATING

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



Headquarter : Lepton Energy Co., Ltd.

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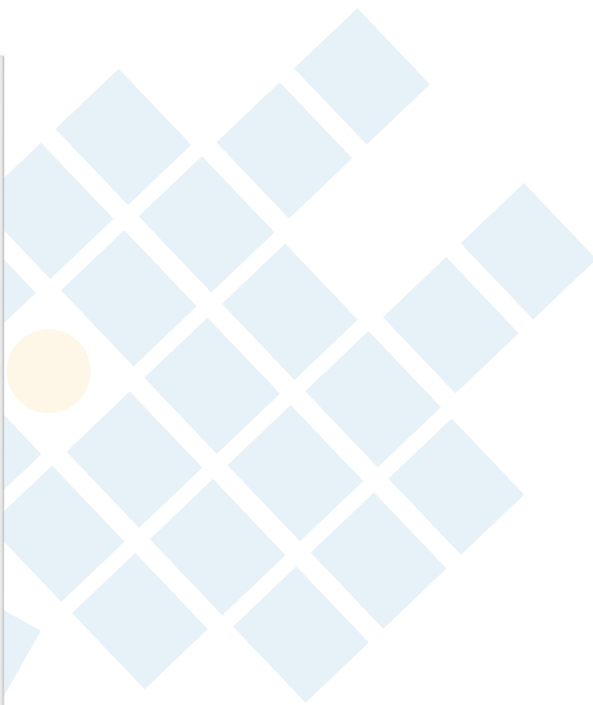
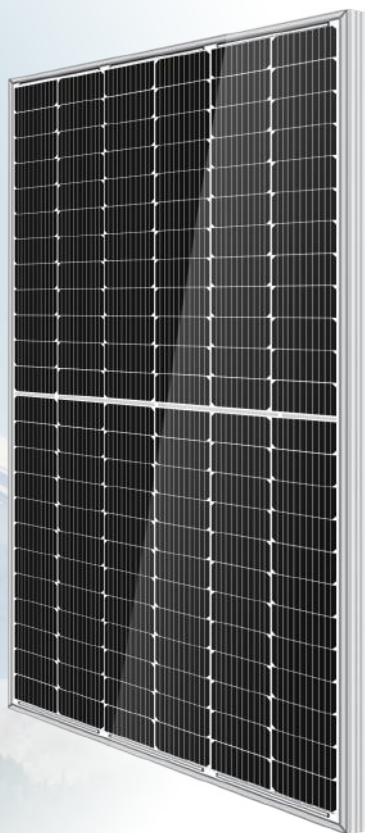
LEAPTON
SOLAR

Monocrystalline

Polycrystalline

LP182*182-M-72-MH

Rated Power 530-550W



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 144 pcs of 182*182mm half cells, the maximum power can reach 550W.



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.

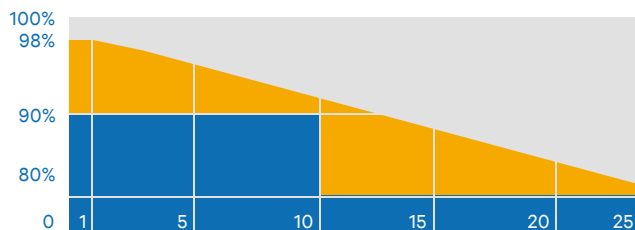


Load Capacity

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV Nord.

■ Leapton Linear Power Warranty ■ Industry Warranty

0.55% Annual Degradation over 25 years



*J-PEC Product



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IEC 61730-2: 2016

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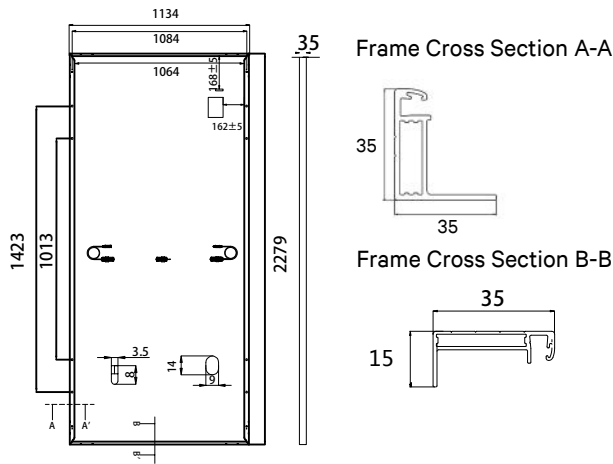
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MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	28kg
Dimensions	2279mm*1134mm*35mm
Cell Dimensions	182*182mm
Cell Amount	72*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , N 300mm/P 300mm or customized length
Connector	MC4 compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Power	530W	535W	540W	545W	550W
Open Circuit Voltage	49.00V	49.20V	49.40V	49.60V	49.80V
Short Circuit Current	13.76A	13.81A	13.87A	13.93A	13.99A
Maximum Power Voltage	40.80V	41.00V	41.20V	41.40V	41.60V
Maximum Power Current	13.00A	13.05A	13.11A	13.17A	13.23A
Module Efficiency	20.51%	20.70%	20.90%	21.09%	21.28%

* 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	395W	399W	402W	406W	410W
Open Circuit Voltage	45.90V	46.10V	46.30V	46.40V	46.60V
Short Circuit Current	11.09A	11.13A	11.18A	11.23A	11.28A
Maximum Power Voltage	38.00V	38.20V	38.40V	38.60V	38.80V
Maximum Power Current	10.40A	10.44A	10.49A	10.54A	10.58A
Module Efficiency	15.28%	15.44%	15.56%	15.71%	15.86%

* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m², 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

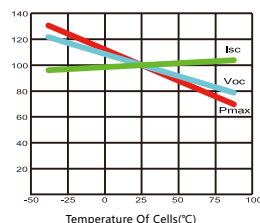
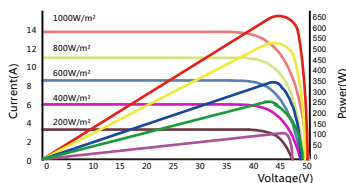
PACKING CONFIGURATION

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

CHARACTERISTICS

LP182*182-M-72-MH-530W

LP182*182-M-72-MH-530W



MAXIMUM RATING

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	25A



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🌐 www.leaptonpv.com



Monocrystalline

Polycrystalline

LP182*182-M-54-MH

Rated Power 400-415W



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.



PID Protection
Ensure the attenuation probability caused by PID phenomenon is minimized.

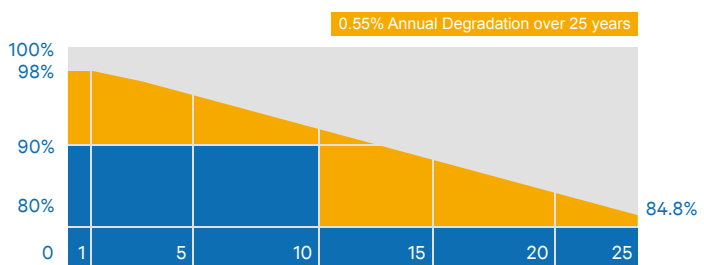


Harsh Environmental Adaptability
Strict salt spray and ammonia corrosion test by TUV Nord.



Load Capacity
Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV Nord.

■ Leapton Linear Power Warranty ■ Industry Warranty



*J-PEC Product

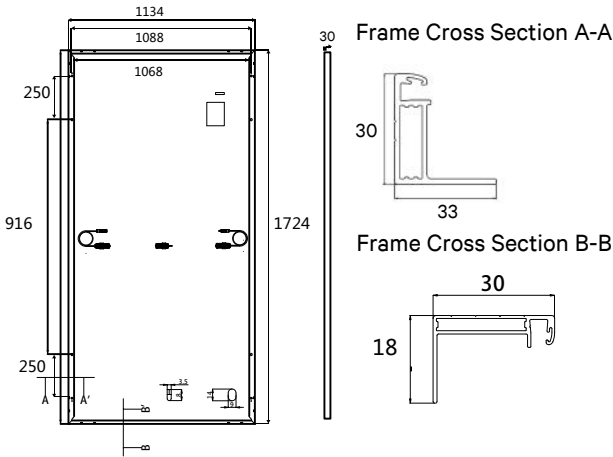


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MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	21.5kg
Dimensions	1724mm*1134mm*30mm
Cell Dimensions	182*182mm
Cell Amount	54*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , N 1100mm/P 1100mm or customized length
Connector	MC4 compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Power	400W	405W	410W	415W
Open Circuit Voltage	36.94V	37.14V	37.34V	37.54V
Short Circuit Current	13.60A	13.65A	13.70A	13.75A
Maximum Power Voltage	30.92V	31.12V	31.32V	31.62V
Maximum Power Current	12.94A	13.00A	13.06A	13.12A
Module Efficiency	20.46%	20.72%	20.97%	21.27%

* 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	295W	298W	302W	306W
Open Circuit Voltage	34.49V	34.69V	34.89V	35.09V
Short Circuit Current	10.70A	10.75A	10.80A	11.00A
Maximum Power Voltage	28.78V	28.98V	29.18V	29.38V
Maximum Power Current	10.25A	10.28A	10.35A	10.40A
Module Efficiency	15.09%	15.24%	15.45%	15.66%

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

TEMPERATURE CHARACTERISTICS

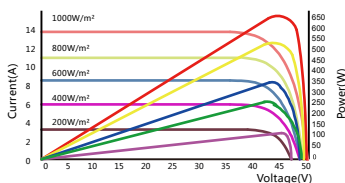
NMOT	41±3°C	Temp Coefficient of ISC	+0.05%/°C
Temp Coefficient of VOC	-0.28%/°C	Temp Coefficient of Pmax	-0.36%/°C

PACKING CONFIGURATION

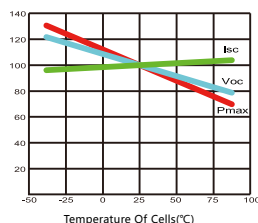
Modules/Pallet	36 Pieces	Modules/40'Container	936 Pieces
Packing Description	26 Pallets, Total=(36+36)x13=936 Pieces		

CHARACTERISTICS

LP182*182-M-54-MH-400W



LP182*182-M-54-MH-400W



MAXIMUM RATING

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	25A



Headquarter : Leapton Energy Co., Ltd.

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LEAPTON
SOLAR

Monocrystalline

Polycrystalline

LP182*182-M-60-MH

Rated Power 450-465W



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 120 pcs of 182*182mm half cells, the maximum power can reach 465W.



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.

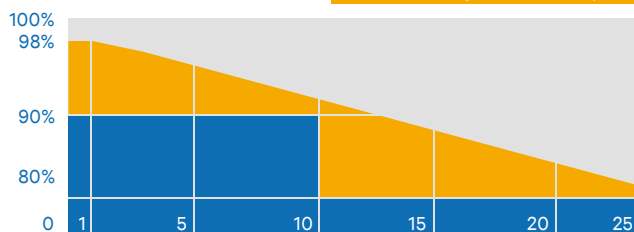


Load Capacity

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV Nord.

Leapton Linear Power Warranty Industry Warranty

0.55% Annual Degradation over 25 years



*J-PEC Product



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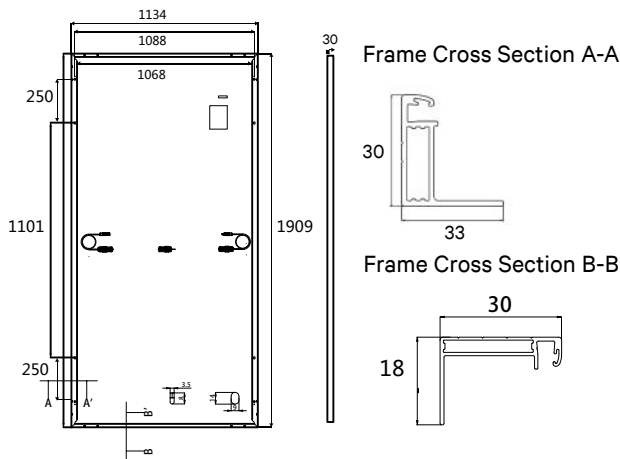
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MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	23.5kg
Dimensions	1909mm*1134mm*30mm
Cell Dimensions	182*182mm
Cell Amount	60*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , N 1200mm/P 1200mm or customized length
Connector	MC4 compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Power	450W	455W	460W	465W
Open Circuit Voltage	41.40V	41.60V	41.80V	42.00V
Short Circuit Current	13.68A	13.73A	13.78A	13.83A
Maximum Power Voltage	34.70V	34.90V	35.20V	35.40V
Maximum Power Current	12.96A	13.02A	13.08A	13.14A
Module Efficiency	20.79%	21.02%	21.25%	21.48%

* 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	331W	335W	339W	343W
Open Circuit Voltage	36.68V	38.88V	39.08V	39.28V
Short Circuit Current	10.78A	10.83A	10.88A	10.93A
Maximum Power Voltage	32.34V	32.54V	32.74V	32.94V
Maximum Power Current	10.24A	10.30A	10.35A	10.40A
Module Efficiency	15.29%	15.47%	15.66%	15.84%

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

TEMPERATURE CHARACTERISTICS

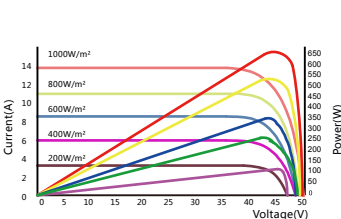
NMOT	41±3°C	Temp Coefficient of ISC	+0.05%/°C
Temp Coefficient of VOC	-0.28%/°C	Temp Coefficient of Pmax	-0.36%/°C

PACKING CONFIGURATION

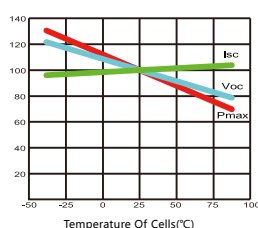
Modules/Pallet	36 Pieces	Modules/40'Container	864 Pieces
Packing Description	24 Pallets, Total=(36+36)x12=864 Pieces		

CHARACTERISTICS

LP182*182-M-60-MH-450W



LP182*182-M-60-MH-450W



MAXIMUM RATING

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	25A



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