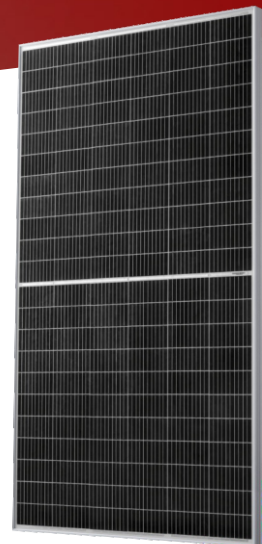


# LUXPOWER® SERIES 5 485-505W Mono

M10/182mm Cell . 132 Half-Cell Layout

LUXPOWER® Series 5 solar modules stand out with the breakthrough innovation of M10 size (182mm) solar cells for the highest power generation and the lowest LCOE, which makes Series 5 the optimal choice for large solar power plants. The gallium-doped wafer technology empowers significantly the performance against LID and the latest integrated segmented ribbon technology increases the power output and enhances the module reliability for long-term use.



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID  
Low LID  
Performance

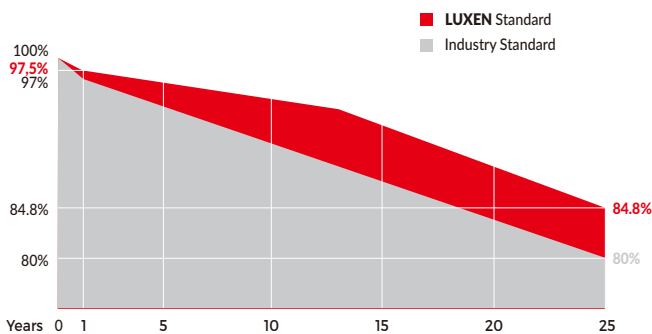


Less Hot Spot  
Shading Effects



Lower BOS & LCOE

## Linear performance Warranty



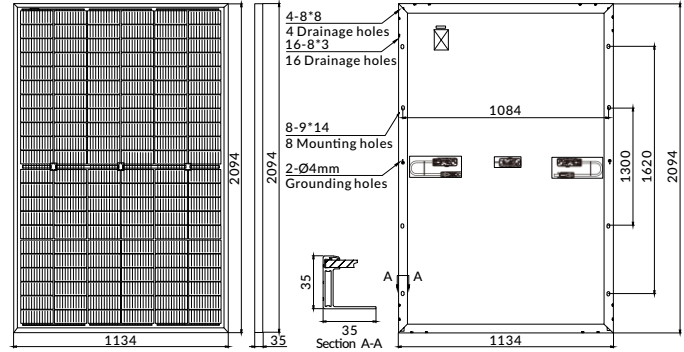
## Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



**MECHANICAL CHARACTERISTICS**

Solar Cells	Mono
No. of Cells	132 (6x22)
Dimensions	2094 x 1134 x 35mm
Weight	26.0kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	300mm (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



**ELECTRICAL PARAMETERS**

POWER CLASS	LNVT-485M		LNVT-490M		LNVT-495M		LNVT-500M		LNVT-505M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	485W	365W	490W	369W	495W	373W	500W	377W	505W	381W
Open Circuit Voltage (Voc)	48.34V	44.93V	48.51V	45.18V	48.67V	45.44V	48.83V	45.69V	48.98V	45.94V
Short Circuit Current (Isc)	12.99A	10.55A	13.06A	10.59A	13.13A	10.63A	13.20A	10.67A	13.27A	10.71A
Voltage at Maximum power (Vmpp)	40.08V	36.76V	40.26V	37.01V	40.44V	37.26V	40.62V	37.51V	40.79V	37.76V
Current Maximum Power (Impp)	12.10A	9.93A	12.17A	9.97A	12.24A	10.01A	12.31A	10.05A	12.38A	10.09A
MODULE EFFICIENCY (%)	20.42%		20.64%		20.85%		21.06%		21.27%	

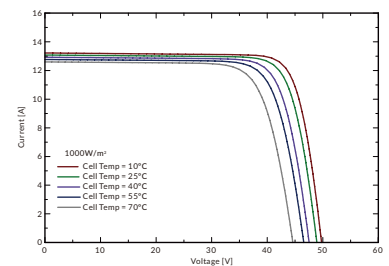
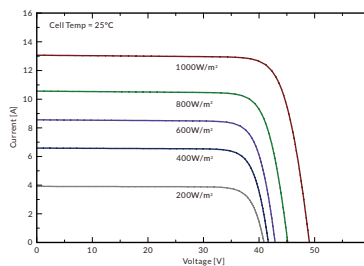
STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G    NOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s, AM1.5G

**PACKING CONFIGURATION**

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	22
Pieces per container	155	682

**I-V CURVE**

**LNVT-495M/I-V**



**OPERATING CHARACTERISTICS**

Operating Module Temperature	-40°C to + 85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

**TEMPERATURE CHARACTERISTICS**

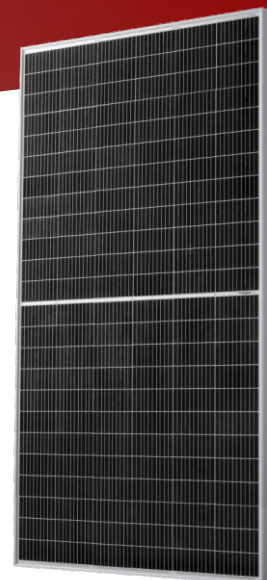
Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

**Note:** Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.

# LUXPOWER® SERIES 5 530-550W Mono

M10/182mm Cell . 144 Half-Cell Layout

LUXPOWER® Series 5 solar modules stand out with the breakthrough innovation of M10 size (182mm) solar cells for the highest power generation and the lowest LCOE, which makes Series 5 the optimal choice for large solar power plants. The gallium-doped wafer technology empowers significantly the performance against LID and the latest integrated segmented ribbon technology increases the power output and enhances the module reliability for long-term use.



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID  
Low LID  
Performance

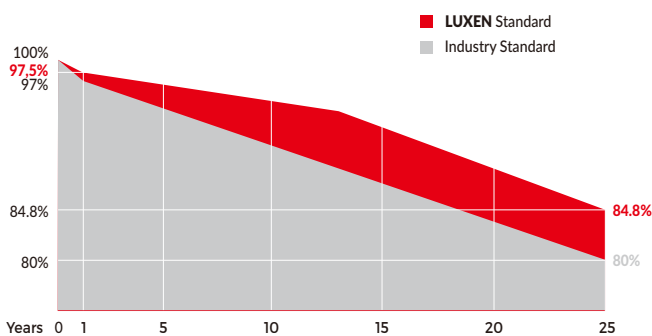


Less Hot Spot  
Shading Effects



Lower BOS & LCOE

## Linear performance Warranty



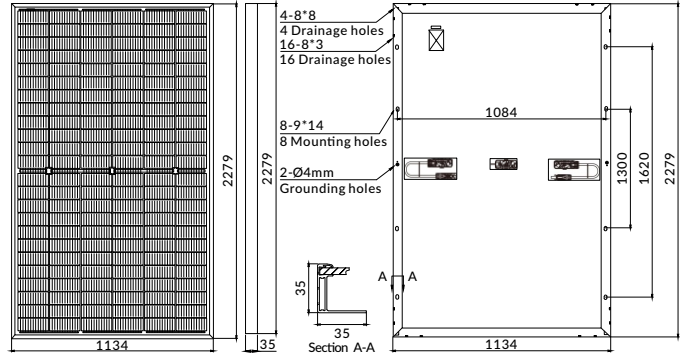
## Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



**MECHANICAL CHARACTERISTICS**

Solar Cells	Mono
No. of Cells	144 (6x24)
Dimensions	2279 x 1134 x 35mm
Weight	28.5kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	300mm (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



**ELECTRICAL PARAMETERS**

POWER CLASS	LNVU-530M		LNVU-535M		LNVU-540M		LNVU-545M		LNVU-550M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	530W	401W	535W	405W	540W	409W	545W	413W	550W	417W
Open Circuit Voltage (Voc)	49.74V	47.16V	49.89V	47.40V	50.04V	47.63V	50.18V	47.87V	50.32V	48.10V
Short Circuit Current (Isc)	13.62A	10.91A	13.69A	10.95A	13.76A	10.99A	13.83A	11.03A	13.90A	11.07A
Voltage at Maximum power (Vmpp)	41.63V	38.97V	41.80V	39.21V	41.96V	39.44V	42.12V	39.67V	42.28V	39.90V
Current Maximum Power (Impp)	12.73A	10.29A	12.80A	10.33A	12.87A	10.37A	12.94A	10.41A	13.01A	10.45A
MODULE EFFICIENCY (%)	20.51%		20.70%		20.89%		21.09%		21.28%	

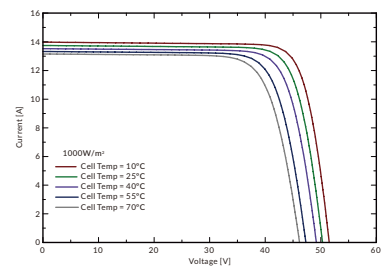
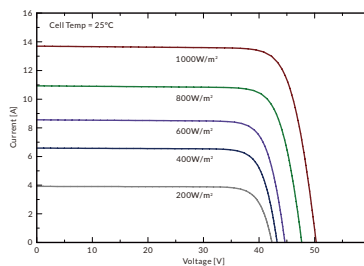
STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G      NOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s, AM1.5G

**PACKING CONFIGURATION**

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	20
Pieces per container	155	620

**I-V CURVE**

**LNVU-540M/I-V**



**OPERATING CHARACTERISTICS**

Operating Module Temperature	-40°C to + 85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

**TEMPERATURE CHARACTERISTICS**

Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

**Note:** Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.

# LUXPOWER® SERIES 5 575-595W Mono

M10/182mm Cell . 156 Half-Cell Layout

LUXPOWER® Series 5 solar modules stand out with the breakthrough innovation of M10 size (182mm) solar cells for the highest power generation and the lowest LCOE, which makes Series 5 the optimal choice for large solar power plants. The gallium-doped wafer technology empowers significantly the performance against LID and the latest integrated segmented ribbon technology increases the power output and enhances the module reliability for long-term use.



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID  
Low LID  
Performance

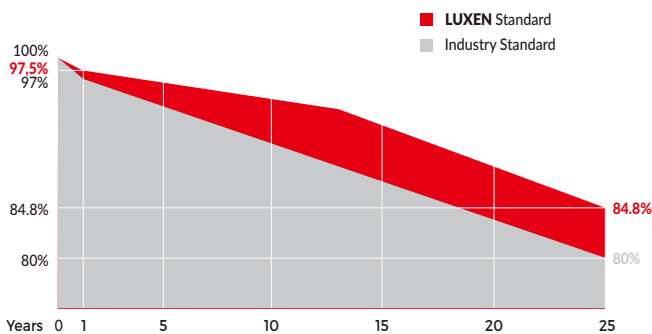


Less Hot Spot  
Shading Effects



Lower BOS & LCOE

## Linear performance Warranty



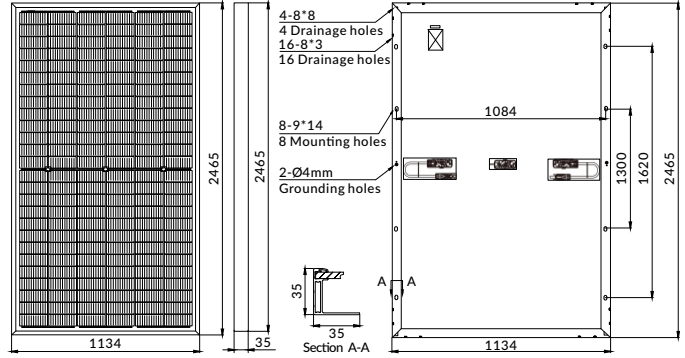
## Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



**MECHANICAL CHARACTERISTICS**

Solar Cells	Mono
No. of Cells	156 (6x26)
Dimensions	2465 x 1134 x 35mm
Weight	30.5kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	300mm (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



**ELECTRICAL PARAMETERS**

POWER CLASS	LNVH-575M		LNVH-580M		LNVH-585M		LNVH-590M		LNVH-595M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	575W	437W	580W	441W	585W	445W	590W	449W	595W	453W
Open Circuit Voltage (Voc)	51.02V	49.25V	51.15V	49.47V	51.29V	49.69V	51.42V	49.91V	51.55V	50.13V
Short Circuit Current (Isc)	14.25A	11.27A	14.32A	11.31A	14.39A	11.35A	14.46A	11.39A	14.53A	11.43A
Voltage at Maximum power (Vmpp)	43.04V	41.03V	43.19V	41.25V	43.33V	41.47V	43.48V	41.69V	43.62V	41.91V
Current Maximum Power (Impp)	13.36A	10.65A	13.43A	10.69A	13.50A	10.73A	13.57A	10.77A	13.64A	10.81A
MODULE EFFICIENCY (%)	20.57%		20.75%		20.93%		21.11%		21.29%	

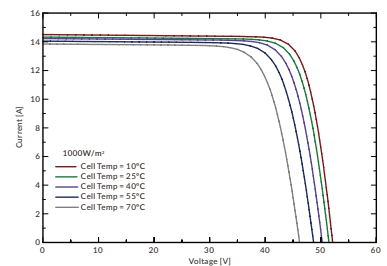
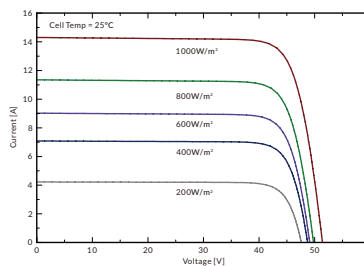
STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G      NOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s, AM1.5G

**PACKING CONFIGURATION**

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	4	18
Pieces per container	124	558

**I-V CURVE**

**LNVH-585M/I-V**



**OPERATING CHARACTERISTICS**

Operating Module Temperature	-40°C to + 85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

**TEMPERATURE CHARACTERISTICS**

Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

**Note:** Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.

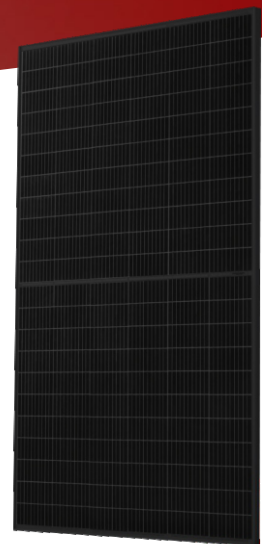
# LUXNERI® SERIES 5

## 485-500W Mono ALL BLACK

M10/182mm Cell . 132 Half-Cell Layout



Assembled with the breakthrough M10 (182mm) high power cells, LUXNERI® Series 5 ALL BLACK solar modules combine the impressive aesthetic appearance with the innovative technologies of gallium-doped wafer, half-cut cell, multi busbars and integrated segmented ribbon interconnection. The perfect visual effect, together with the high power generation performance and the reduced LID, hot spot and shading risks, make it ideal for residential rooftop application.



Full Black Appearance for Aesthetic Effect



Gallium-doped Technology



Half Cut Cell Technology



Anti-PID Low LID Performance

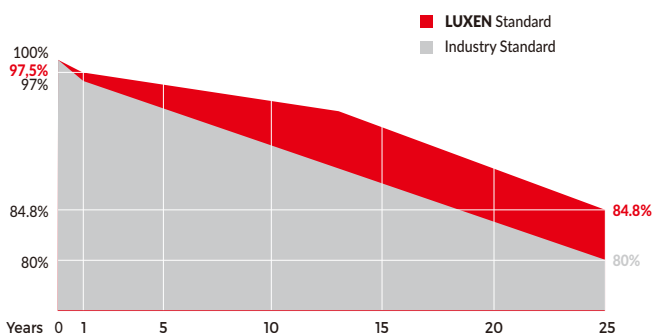


Less Hot Spot Shading Effects



Ideal for Residential Rooftop Application

### Linear performance Warranty



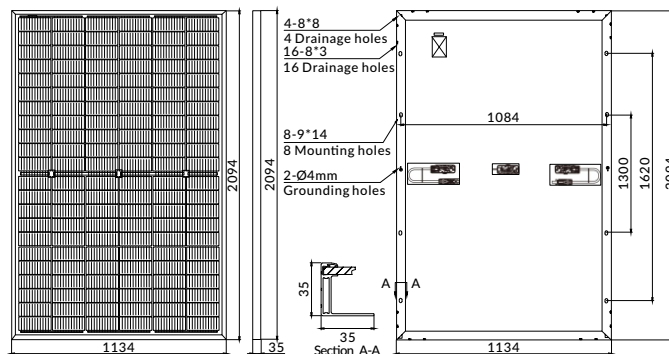
### Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	132 (6x22)
Dimensions	2094 x 1134 x 35mm
Weight	26.0kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	300mm (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNVT-485M		LNVT-490M		LNVT-495M		LNVT-500M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	485W	365W	490W	369W	495W	373W	500W	377W
Open Circuit Voltage (Voc)	48.34V	44.93V	48.51V	45.18V	48.67V	45.44V	48.83V	45.69V
Short Circuit Current (Isc)	12.99A	10.55A	13.06A	10.59A	13.13A	10.63A	13.20A	10.67A
Voltage at Maximum power (Vmpp)	40.08V	36.76V	40.26V	37.01V	40.44V	37.26V	40.62V	37.51V
Current Maximum Power (Impp)	12.10A	9.93A	12.17A	9.97A	12.24A	10.01A	12.31A	10.05A
MODULE EFFICIENCY (%)	20.42%		20.64%		20.85%		21.06%	

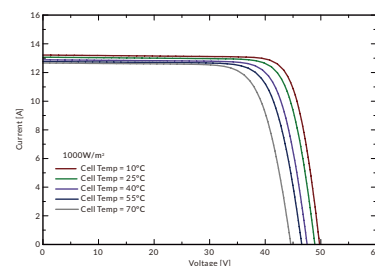
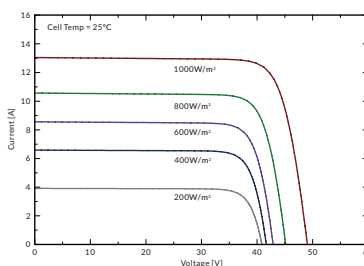
STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G    NOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	22
Pieces per container	155	682

I-V CURVE

LNVT-490M/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to + 85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.



# LUXNERI® SERIES 5

## 530-545W Mono ALL BLACK

M10/182mm Cell . 144 Half-Cell Layout



Assembled with the breakthrough M10 (182mm) high power cells, LUXNERI® Series 5 ALL BLACK solar modules combine the impressive aesthetic appearance with the innovative technologies of gallium-doped wafer, half-cut cell, multi busbars and integrated segmented ribbon interconnection. The perfect visual effect, together with the high power generation performance and the reduced LID, hot spot and shading risks, make it ideal for residential rooftop application.



Full Black Appearance for Aesthetic Effect



Gallium-doped Technology



Half Cut Cell Technology



Anti-PID Low LID Performance

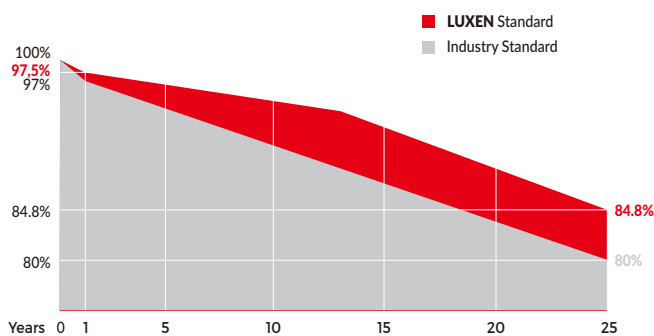


Less Hot Spot Shading Effects



Ideal for Residential Rooftop Application

### Linear performance Warranty



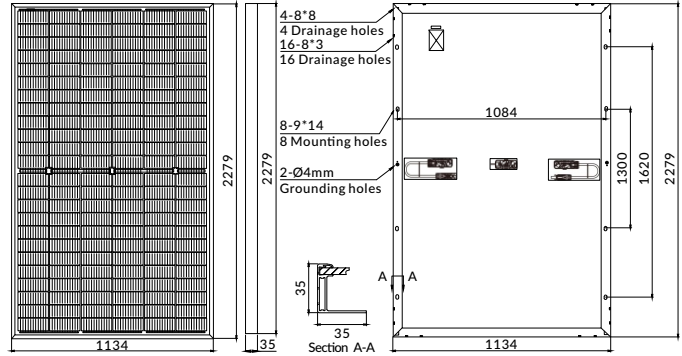
### Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



**MECHANICAL CHARACTERISTICS**

Solar Cells	Mono
No. of Cells	144 (6x24)
Dimensions	2279 x 1134 x 35mm
Weight	28.5kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	300mm (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



**ELECTRICAL PARAMETERS**

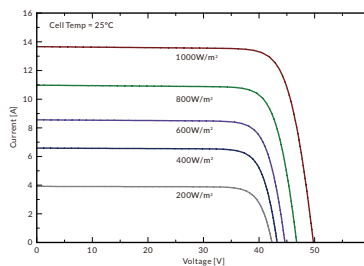
POWER CLASS	LNVU-530M		LNVU-535M		LNVU-540M		LNVU-545M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	530W	401W	535W	405W	540W	409W	545W	413W
Open Circuit Voltage (Voc)	49.74V	47.16V	49.89V	47.40V	50.04V	47.63V	50.18V	47.87V
Short Circuit Current (Isc)	13.62A	10.91A	13.69A	10.95A	13.76A	10.99A	13.83A	11.03A
Voltage at Maximum power (Vmpp)	41.63V	38.97V	41.80V	39.21V	41.96V	39.44V	42.12V	39.67V
Current Maximum Power (Impp)	12.73A	10.29A	12.80A	10.33A	12.87A	10.37A	12.94A	10.41A
MODULE EFFICIENCY (%)	20.51%		20.70%		20.89%		21.09%	

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G      NOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s, AM1.5G

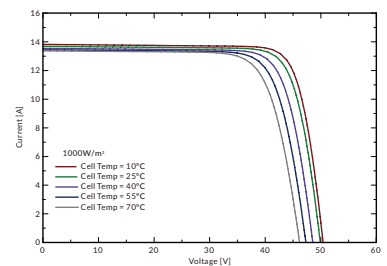
**PACKING CONFIGURATION**

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	20
Pieces per container	155	620

**I-V CURVE**



**LNVU-535M/I-V**



**OPERATING CHARACTERISTICS**

Operating Module Temperature	-40°C to + 85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

**TEMPERATURE CHARACTERISTICS**

Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

**Note:** Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.

# LUXNERI® SERIES 5

## 575-590W Mono ALL BLACK

M10/182mm Cell . 156 Half-Cell Layout



Assembled with the breakthrough M10 (182mm) high power cells, LUXNERI® Series 5 ALL BLACK solar modules combine the impressive aesthetic appearance with the innovative technologies of gallium-doped wafer, half-cut cell, multi busbars and integrated segmented ribbon interconnection. The perfect visual effect, together with the high power generation performance and the reduced LID, hot spot and shading risks, make it ideal for residential rooftop application.



Full Black Appearance for Aesthetic Effect



Gallium-doped Technology



Half Cut Cell Technology



Anti-PID Low LID Performance

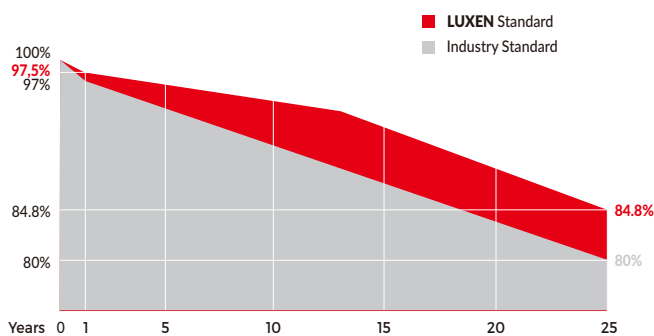


Less Hot Spot Shading Effects



Ideal for Residential Rooftop Application

### Linear performance Warranty



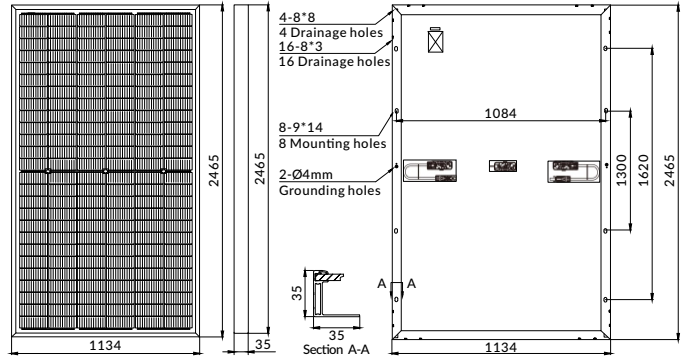
### Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	156 (6x26)
Dimensions	2465 x 1134 x 35mm
Weight	30.5kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	300mm (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNVH-575M		LNVH-580M		LNVH-585M		LNVH-590M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	575W	437W	580W	441W	585W	445W	590W	449W
Open Circuit Voltage (Voc)	51.02V	49.25V	51.15V	49.47V	51.29V	49.69V	51.42V	49.91V
Short Circuit Current (Isc)	14.25A	11.27A	14.32A	11.31A	14.39A	11.35A	14.46A	11.39A
Voltage at Maximum power (Vmpp)	43.04V	41.03V	43.19V	41.25V	43.33V	41.47V	43.48V	41.69V
Current Maximum Power (Impp)	13.36A	10.65A	13.43A	10.69A	13.50A	10.73A	13.57A	10.77A
MODULE EFFICIENCY (%)	20.57%		20.75%		20.93%		21.11%	

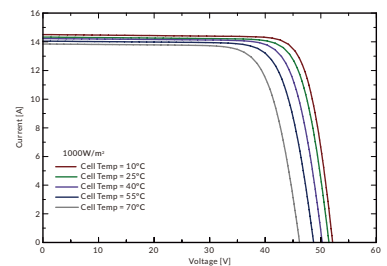
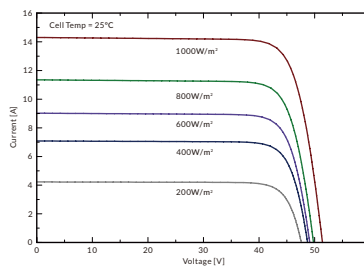
STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G      NOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	4	18
Pieces per container	124	558

I-V CURVE

LNVH-580M/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to + 85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.

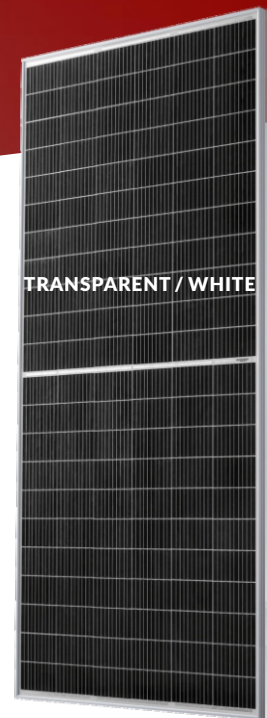
# LUXPOWER® SERIES 5

## 480-500W Mono Transparent Backsheet

M10/182mm Cell . 132 Half-Cell Layout



LUXPOWER® Series 5 solar modules stand out with the breakthrough innovation of M10 size (182mm) solar cells for the highest power generation and the lowest LCOE, which makes Series 5 the optimal choice for large solar power plants. The gallium-doped wafer technology empowers significantly the performance against LID and the latest integrated segmented ribbon technology increases the power output and enhances the module reliability for long-term use.



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID  
Low LID  
Performance

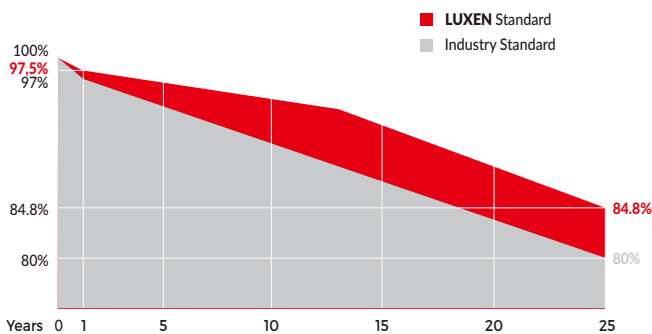


Less Hot Spot  
Shading Effects



Lower BOS & LCOE

### Linear performance Warranty



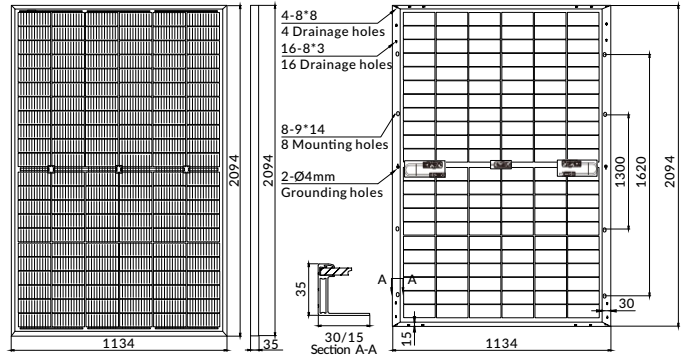
### Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



**MECHANICAL CHARACTERISTICS**

Solar Cells	Mono
No. of Cells	132 (6x22)
Dimensions	2094 x 1134 x 35mm
Weight	26.0kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	300mm (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



**ELECTRICAL PARAMETERS**

POWER CLASS	LNVT-480M	LNVT-485M	LNVT-490M	LNVT-495M	LNVT-500M
	STC	STC	STC	STC	STC
Maximum power (Pmax)	480W	485W	490W	495W	500W
Open Circuit Voltage (Voc)	48.18V	48.34V	48.51V	48.67V	48.83V
Short Circuit Current (Isc)	12.92A	12.99A	13.06A	13.13A	13.20A
Voltage at Maximum power (Vmpp)	39.90V	40.08V	40.26V	40.44V	40.62V
Current Maximum Power (Impp)	12.03A	12.10A	12.17A	12.24A	12.31A
MODULE EFFICIENCY (%)	20.21%	20.42%	20.64%	20.85%	21.06%

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G

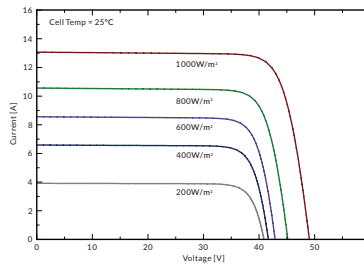
**BIFACIAL OUTPUT-REAR SIDE POWER GAIN**

5%	Maximum power (Pmax)	504W	509W	515W	520W	525W
	Module Efficiency STC (%)	21.22%	21.45%	21.67%	21.89%	22.11%
15%	Maximum power (Pmax)	552W	558W	564W	569W	575W
	Module Efficiency STC (%)	23.25%	23.49%	23.73%	23.97%	24.21%
25%	Maximum Power (Pmax)	600W	606W	613W	619W	625W
	Module Efficiency STC (%)	25.27%	25.53%	25.79%	26.06%	26.32%

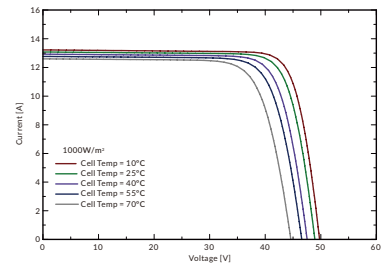
**PACKING CONFIGURATION**

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	22
Pieces per container	155	682

**I-V CURVE**



**LNVT-495M/I-V**



**OPERATING CHARACTERISTICS**

Operating Module Temperature	-40°C to + 85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

**TEMPERATURE CHARACTERISTICS**

Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

**Note:** Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.

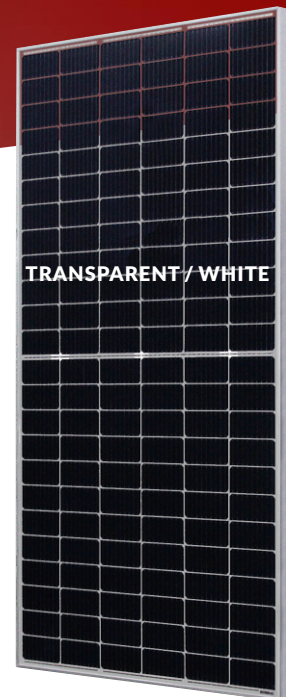
# LUXPOWER® SERIES 5

## 525-545W Mono Transparent Backsheet

M10/182mm Cell . 144 Half-Cell Layout



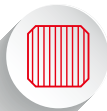
LUXPOWER® Series 5 solar modules stand out with the breakthrough innovation of M10 size (182mm) solar cells for the highest power generation and the lowest LCOE, which makes Series 5 the optimal choice for large solar power plants. The gallium-doped wafer technology empowers significantly the performance against LID and the latest integrated segmented ribbon technology increases the power output and enhances the module reliability for long-term use.



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID  
Low LID  
Performance

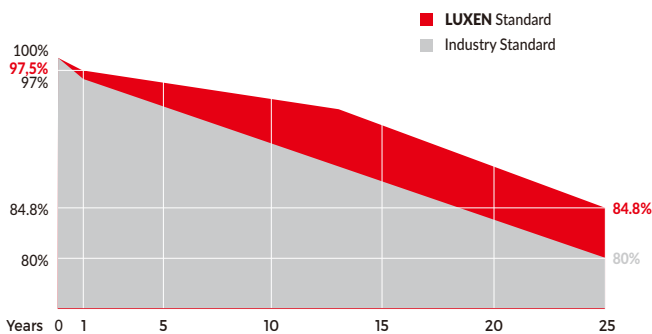


Less Hot Spot  
Shading Effects



Lower BOS & LCOE

### Linear performance Warranty



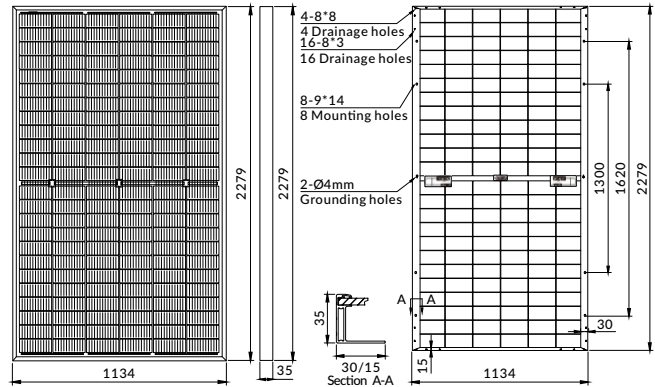
### Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



**MECHANICAL CHARACTERISTICS**

Solar Cells	Mono
No. of Cells	144 (6x24)
Dimensions	2279 x 1134 x 35mm
Weight	28.5kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	300mm (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



**ELECTRICAL PARAMETERS**

POWER CLASS	LNVU-525M	LNVU-530M	LNVU-535M	LNVU-540M	LNVU-545M
	STC	STC	STC	STC	STC
Maximum power (Pmax)	525W	530W	535W	540W	545W
Open Circuit Voltage (Voc)	49.59V	49.74V	49.89V	50.04V	50.18V
Short Circuit Current (Isc)	13.55A	13.62A	13.69A	13.76A	13.83A
Voltage at Maximum power (Vmpp)	41.47V	41.63V	41.80V	41.96V	42.12V
Current Maximum Power (Impp)	12.66A	12.73A	12.80A	12.87A	12.94A
MODULE EFFICIENCY (%)	20.31%	20.51%	20.70%	20.89%	21.09%

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G

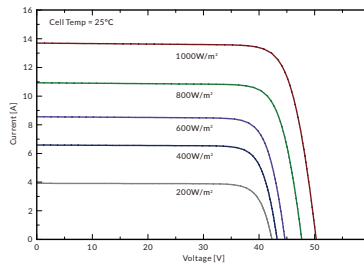
**BIFACIAL OUTPUT-REAR SIDE POWER GAIN**

		551W	557W	562W	567W	572W
5%	Maximum power (Pmax)	551W	557W	562W	567W	572W
	Module Efficiency STC (%)	21.33%	21.53%	21.74%	21.94%	22.14%
15%	Maximum power (Pmax)	604W	610W	615W	621W	627W
	Module Efficiency STC (%)	23.36%	23.58%	23.81%	24.03%	24.25%
25%	Maximum Power (Pmax)	656W	663W	669W	675W	681W
	Module Efficiency STC (%)	25.39%	25.63%	25.88%	26.12%	26.36%

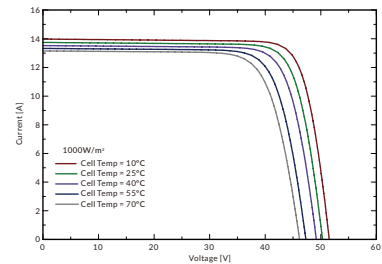
**PACKING CONFIGURATION**

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	20
Pieces per container	155	620

**I-V CURVE**



**LNVU-540M/I-V**



**OPERATING CHARACTERISTICS**

Operating Module Temperature	-40°C to + 85°C
Maximun System Voltage	1500 DC (IEC)
Maximun Series Fuse Rating	25A
Power Tolerance	0/+5W

**TEMPERATURE CHARACTERISTICS**

Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

**Note:** Due to continuous technical innovation, R&D and improvement ,technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.



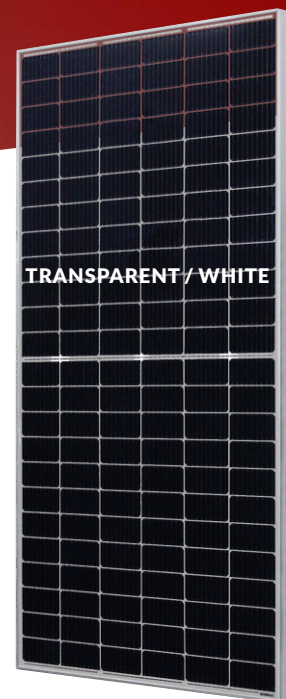
# LUXPOWER® SERIES 5

## 570-590W Mono Transparent Backsheet

M10/182mm Cell . 156 Half-Cell Layout



LUXPOWER® Series 5 solar modules stand out with the breakthrough innovation of M10 size (182mm) solar cells for the highest power generation and the lowest LCOE, which makes Series 5 the optimal choice for large solar power plants. The gallium-doped wafer technology empowers significantly the performance against LID and the latest integrated segmented ribbon technology increases the power output and enhances the module reliability for long-term use.



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID  
Low LID  
Performance

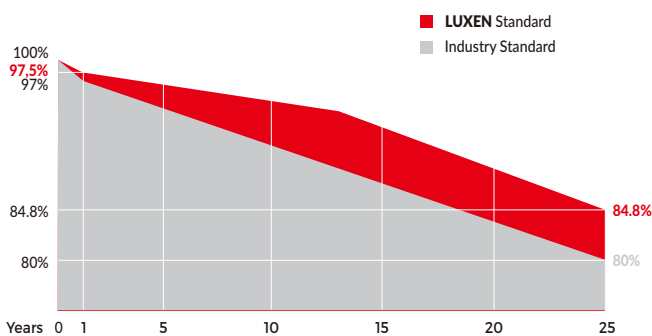


Less Hot Spot  
Shading Effects



Lower BOS & LCOE

### Linear performance Warranty



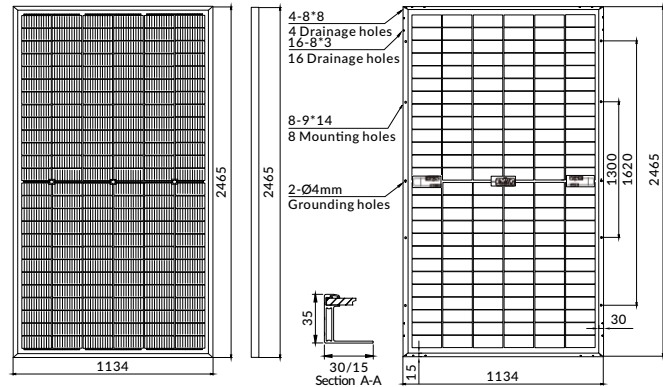
### Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



**MECHANICAL CHARACTERISTICS**

Solar Cells	Mono
No. of Cells	156 (6x26)
Dimensions	2465 x 1134 x 35mm
Weight	30.5kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	300mm (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



**ELECTRICAL PARAMETERS**

POWER CLASS	LNvh-570M	LNvh-575M	LNvh-580M	LNvh-585M	LNvh-590M
	STC	STC	STC	STC	STC
Maximum power (Pmax)	570W	575W	580W	585W	590W
Open Circuit Voltage (Voc)	50.88V	51.02V	51.15V	51.29V	51.42V
Short Circuit Current (Isc)	14.18A	14.25A	14.32A	14.39A	14.46A
Voltage at Maximum power (Vmpp)	42.89V	43.04V	43.19V	43.33V	43.48V
Current Maximum Power (Impp)	13.29A	13.36A	13.43A	13.50A	13.57A
MODULE EFFICIENCY (%)	20.39%	20.57%	20.75%	20.93%	21.11%

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G

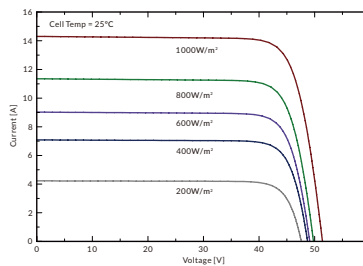
**BIFACIAL OUTPUT-REAR SIDE POWER GAIN**

5%	Maximum power (Pmax)	599W	604W	609W	614W	620W
	Module Efficiency STC (%)	21.41%	21.60%	21.79%	21.97%	22.16%
15%	Maximum power (Pmax)	656W	661W	667W	673W	679W
	Module Efficiency STC (%)	23.45%	23.66%	23.86%	24.07%	24.27%
25%	Maximum Power (Pmax)	713W	719W	725W	731W	738W
	Module Efficiency STC (%)	25.49%	25.71%	25.94%	26.16%	26.38%

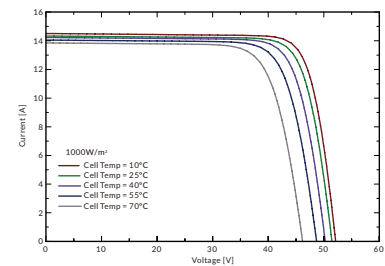
**PACKING CONFIGURATION**

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	4	18
Pieces per container	124	558

**I-V CURVE**



**LNvh-585M/I-V**



**OPERATING CHARACTERISTICS**

Operating Module Temperature	-40°C to + 85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

**TEMPERATURE CHARACTERISTICS**

Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

**Note:** Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.

# LUXPOWER® SERIES 5

## 480-500W Mono BIFACIAL DG

M10/182mm Cell . 132 Half-Cell Layout



The breakthrough innovation of M10 (182mm) solar cell with the gallium-doped technology empowers the LUXPOWER® Series 5 BIFACIAL solar modules with the highest power generation and the lowest LCOE, reducing the LID defect, the hot spot risk and the shading effects and increasing significantly the power output by absorbing the diffused light on the rear side. The double-glass framed construction enhances the long-term durability and performance of the module in all conditions.



Bifacial Cell Module Technologies



Gallium-doped Technology



Half Cut Cell Technology



Anti-PID Low LID Performance

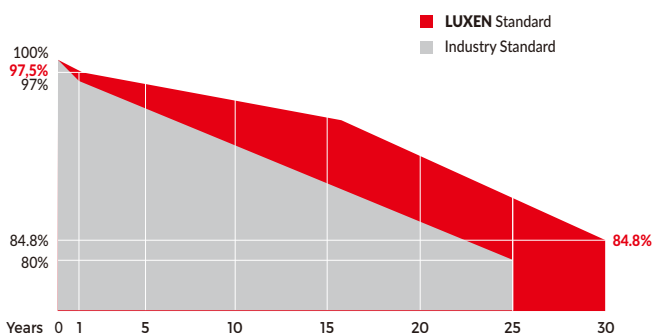


Less Hot Spot Shading Effects



Enduring High Reliability & Performance

### Linear performance Warranty



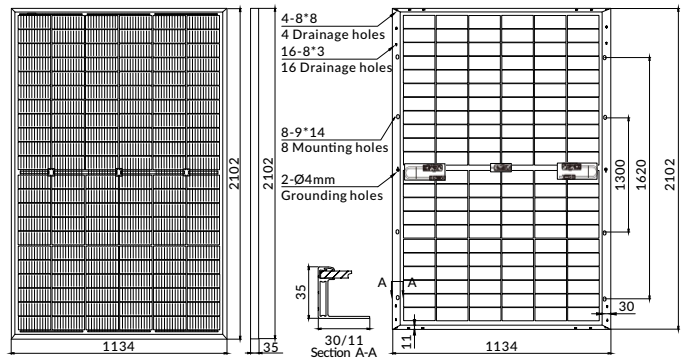
### Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



**MECHANICAL CHARACTERISTICS**

Solar Cells	Mono
No. of Cells	132 (6x22)
Dimensions	2102 x 1134 x 35mm
Weight	28.5kgs
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	300mm (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



**ELECTRICAL PARAMETERS**

POWER CLASS	LNVT-480M	LNVT-485M	LNVT-490M	LNVT-495M	LNVT-500M
	STC	STC	STC	STC	STC
Maximum power (Pmax)	480W	485W	490W	495W	500W
Open Circuit Voltage (Voc)	48.18V	48.34V	48.51V	48.67V	48.83V
Short Circuit Current (Isc)	12.92A	12.99A	13.06A	13.13A	13.20A
Voltage at Maximum power (Vmpp)	39.90V	40.08V	40.26V	40.44V	40.62V
Current Maximum Power (Impp)	12.03A	12.10A	12.17A	12.24A	12.31A
MODULE EFFICIENCY (%)	20.14%	20.35%	20.56%	20.77%	20.98%

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G

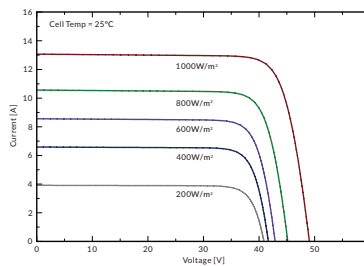
**BIFACIAL OUTPUT-REAR SIDE POWER GAIN**

5%	Maximum power (Pmax)	504W	509W	515W	520W	525W
	Module Efficiency STC (%)	21.14%	21.36%	21.58%	21.80%	22.02%
15%	Maximum power (Pmax)	552W	558W	564W	569W	575W
	Module Efficiency STC (%)	23.16%	23.40%	23.64%	23.88%	24.12%
25%	Maximum Power (Pmax)	600W	606W	613W	619W	625W
	Module Efficiency STC (%)	25.17%	25.43%	25.70%	25.96%	26.22%

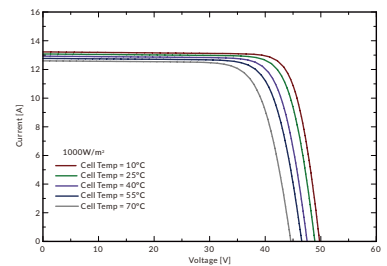
**PACKING CONFIGURATION**

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	22
Pieces per container	155	682

**I-V CURVE**



**LNVT-495M/I-V**



**OPERATING CHARACTERISTICS**

Operating Module Temperature	-40°C to + 85°C
Maximun System Voltage	1500 DC (IEC)
Maximun Series Fuse Rating	25A
Power Tolerance	0/+5W

**TEMPERATURE CHARACTERISTICS**

Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

**Note:** Due to continuous technical innovation, R&D and improvement ,technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.

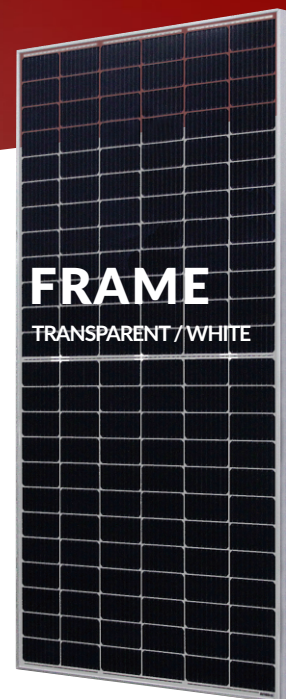
# LUXPOWER® SERIES 5

## 525-545W Mono BIFACIAL DG

M10/182mm Cell . 144 Half-Cell Layout



The breakthrough innovation of M10 (182mm) solar cell with the gallium-doped technology empowers the LUXPOWER® Series 5 BIFACIAL solar modules with the highest power generation and the lowest LCOE, reducing the LID defect, the hot spot risk and the shading effects and increasing significantly the power output by absorbing the diffused light on the rear side. The double-glass framed construction enhances the long-term durability and performance of the module in all conditions.



Bifacial Cell Module Technologies



Gallium-doped Technology



Half Cut Cell Technology



Anti-PID Low LID Performance

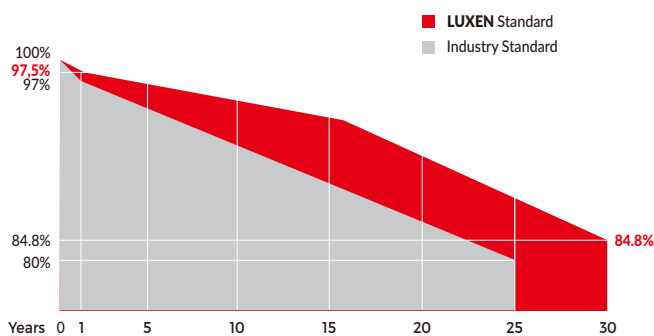


Less Hot Spot Shading Effects



Enduring High Reliability & Performance

### Linear performance Warranty



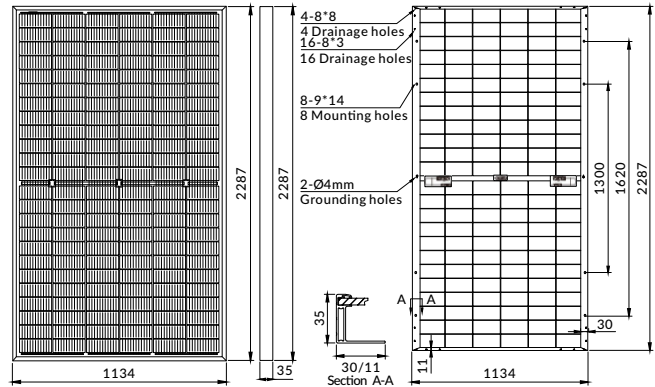
### Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



**MECHANICAL CHARACTERISTICS**

Solar Cells	Mono
No. of Cells	144 (6x24)
Dimensions	2287 x 1134 x 35mm
Weight	31.5kgs
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	300mm (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



**ELECTRICAL PARAMETERS**

POWER CLASS	LNVU-525M	LNVU-530M	LNVU-535M	LNVU-540M	LNVU-545M
	STC	STC	STC	STC	STC
Maximum power (Pmax)	525W	530W	535W	540W	545W
Open Circuit Voltage (Voc)	49.59V	49.74V	49.89V	50.04V	50.18V
Short Circuit Current (Isc)	13.55A	13.62A	13.69A	13.76A	13.83A
Voltage at Maximum power (Vmpp)	41.47V	41.63V	41.80V	41.96V	42.12V
Current Maximum Power (Impp)	12.66A	12.73A	12.80A	12.87A	12.94A
MODULE EFFICIENCY (%)	20.24%	20.44%	20.63%	20.82%	21.01%

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G

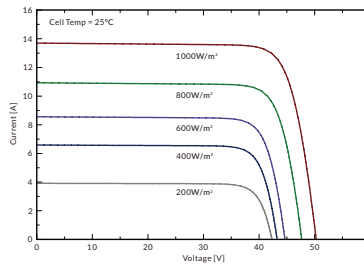
**BIFACIAL OUTPUT-REAR SIDE POWER GAIN**

5%	Maximum power (Pmax)	551W	557W	562W	567W	572W
	Module Efficiency STC (%)	21.26%	21.46%	21.66%	21.86%	22.07%
15%	Maximum power (Pmax)	604W	610W	615W	621W	627W
	Module Efficiency STC (%)	23.28%	23.50%	23.72%	23.94%	24.17%
25%	Maximum Power (Pmax)	656W	663W	669W	675W	681W
	Module Efficiency STC (%)	25.30%	25.55%	25.79%	26.03%	26.27%

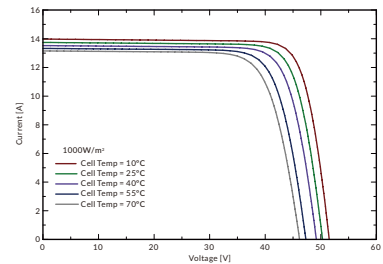
**PACKING CONFIGURATION**

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	20
Pieces per container	155	620

**I-V CURVE**



**LNVU-540M/I-V**



**OPERATING CHARACTERISTICS**

Operating Module Temperature	-40°C to + 85°C
Maximun System Voltage	1500 DC (IEC)
Maximun Series Fuse Rating	25A
Power Tolerance	0/+5W

**TEMPERATURE CHARACTERISTICS**

Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

**Note:** Due to continuous technical innovation, R&D and improvement ,technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.