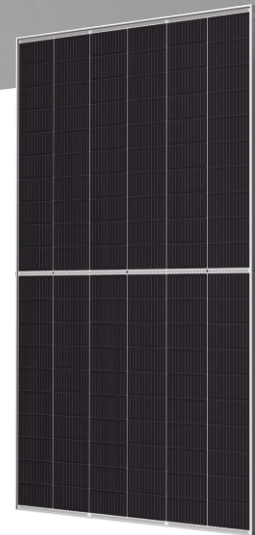


LUXPOWER® SERIES 6

590-610W Mono 120 Half-Cell Layout M12/210mm Cell



Ideal Choice For Large Scale Ground Installation



High Density Interconnect Technology



Gallium-doped Technology



Anti-PID Low LID Performance

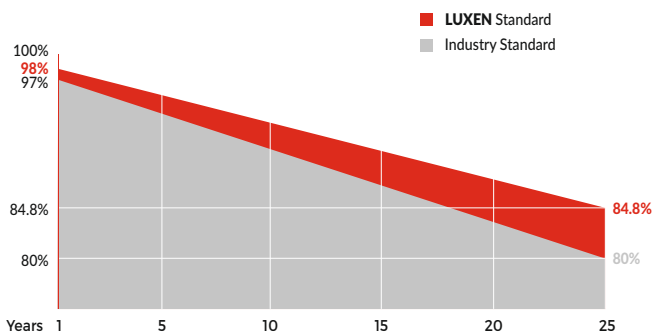


Less Hot Spot Shading Effects



Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC 61215:2016/IEC 61730:2016 Standard quality



LUXEN SOLAR ENERGY CO., LTD.

Manufacturer add: NO.22, North Guandu Road, Wuzhong District, 215104 Suzhou, Jiangsu Province, P.R.China.

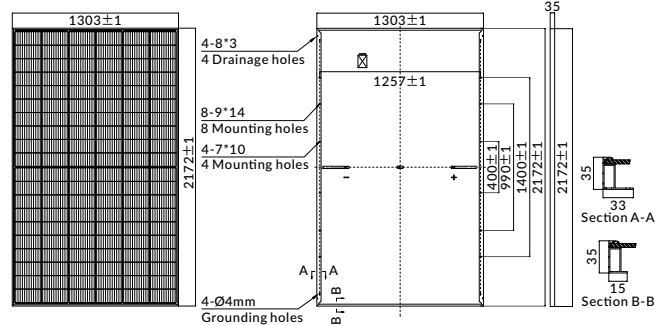
Factory add: No.1 Haiyue Road, Sutong Technologies & Industries Park, 226001 Nantong City, Jiangsu Province, P.R.China.

T: +86 512 6708 1572 | F: +86 512 6708 1570 | sales@luxensolar.com

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	120 (6x20)
Dimensions	2172 x 1303 x 35mm
Weight	31.0kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm ²
	300mm (+) / 300mm (-) Length can be customized
Connectors	Suzhou Xtong Photovoltaic Technology Co., Ltd.
	PV-XT101.1
Mechanical load test	Front 5400Pa / Rear 2400Pa
PV Module Fire Class	Class C



ELECTRICAL PARAMETERS

POWER CLASS	LNEK-590M		LNEK-595M		LNEK-600M		LNEK-605M		LNEK-610M	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	590W	448W	595W	452W	600W	456W	605W	460W	610W	464W
Open Circuit Voltage (Voc)	41.34V	38.72V	41.52V	38.92V	41.69V	39.11V	41.87V	39.31V	42.03V	39.50V
Short Circuit Current (Isc)	18.42A	14.94A	18.47A	14.98A	18.53A	15.02A	18.58A	15.06A	18.64A	15.10A
Voltage at Maximum power (Vmpp)	34.37V	31.80V	34.55V	31.94V	34.72V	32.09V	34.91V	32.24V	35.08V	32.38V
Current Maximum Power (Impp)	17.17A	14.09A	17.22A	14.15A	17.28A	14.21A	17.33A	14.27A	17.39A	14.33A
MODULE EFFICIENCY (%)	20.85%		21.02%		21.20%		21.38%		21.55%	

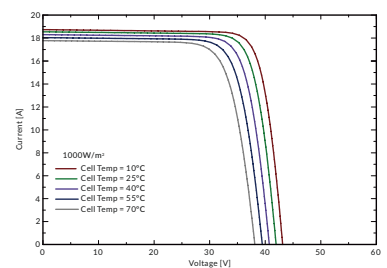
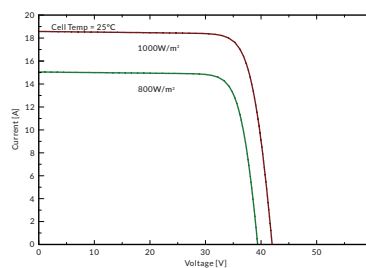
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	31
Pallets per container	18
Pieces per container	558

I-V CURVE

LNEK-605M/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	±3%

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	43±2°C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.04%/°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 6

655-675W Mono

132 Half-Cell Layout

M12/210mm Cell



Ideal Choice For Large Scale Ground Installation



High Density Interconnect Technology



Gallium-doped Technology



Anti-PID Low LID Performance

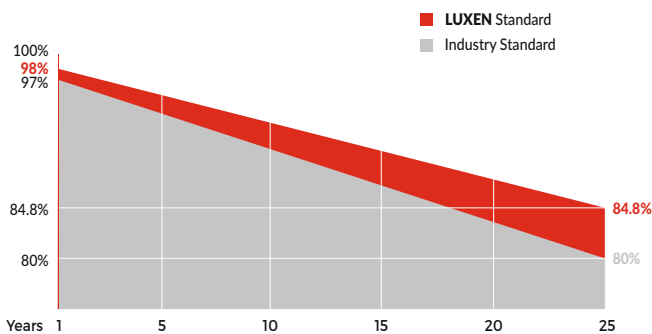


Less Hot Spot Shading Effects



Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC 61215:2016/IEC 61730:2016 Standard quality



LUXEN SOLAR ENERGY CO., LTD.

Manufacturer add: NO.22, North Guandu Road, Wuzhong District, 215104 Suzhou, Jiangsu Province, P.R.China.

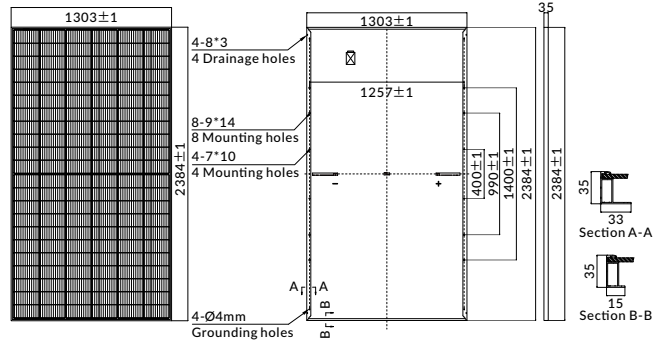
Factory add: No.1 Haiyue Road, Sutong Technologies & Industries Park, 226001 Nantong City, Jiangsu Province, P.R.China.

T: +86 512 6708 1572 | F: +86 512 6708 1570 | sales@luxensolar.com

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	132 (6x22)
Dimensions	2384 x 1303 x 35mm
Weight	34.0kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	300mm (+) / 300mm (-)
	Length can be customized
Connectors	Suzhou Xtong Photovoltaic Technology Co., Ltd.
	PV-XT101.1
Mechanical load test	Front 5400Pa / Rear 2400Pa
PV Module Fire Class	Class C



ELECTRICAL PARAMETERS

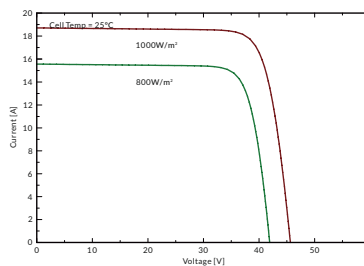
POWER CLASS	LNET-655M		LNET-660M		LNET-665M		LNET-670M		LNET-675M	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	655W	498W	660W	502W	665W	506W	670W	510W	675W	514W
Open Circuit Voltage (Voc)	45.12V	41.38V	45.35V	41.56V	45.54V	41.74V	45.71V	41.92V	45.86V	42.10V
Short Circuit Current (Isc)	18.66A	15.54A	18.69A	15.58A	18.73A	15.62A	18.78A	15.66A	18.84A	15.70A
Voltage at Maximum power (Vmpp)	37.71V	34.25V	37.88V	34.43V	38.04V	34.61V	38.22V	34.79V	38.37V	34.97V
Current Maximum Power (Impp)	17.37A	14.54A	17.42A	14.58A	17.48A	14.62A	17.53A	14.66A	17.59A	14.70A
MODULE EFFICIENCY (%)	21.09%		21.25%		21.41%		21.57%		21.73%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

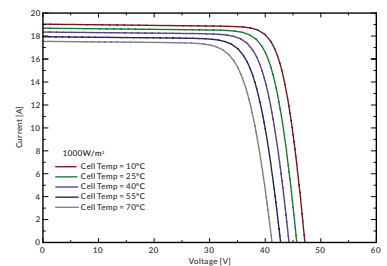
PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	31
Pallets per container	18
Pieces per container	558

I-V CURVE



LNET-670M/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	±3%

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	43±2°C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.04%/°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 4

360-380W Mono

120 Half-Cell Layout

M6/166mm Cell



Half Cut Cell Technology



MBB Technology



Anti-PID
Low LID
Performance



Less Hot Spot
Shading Effects

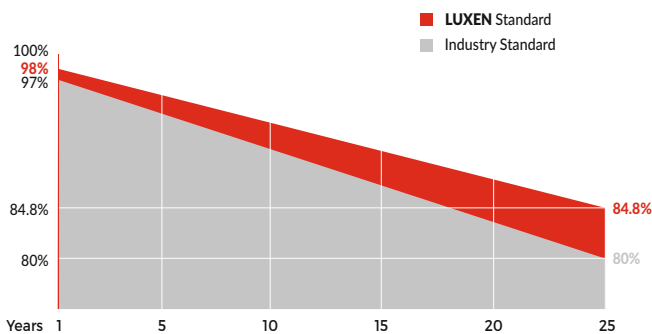


Low Power
Temperature Coefficient



Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC 61215:2016/IEC 61730:2016 Standard quality



LUXEN SOLAR ENERGY CO., LTD.

Manufacturer add: NO.22, North Guandu Road, Wuzhong District, 215104 Suzhou, Jiangsu Province, P.R.China.

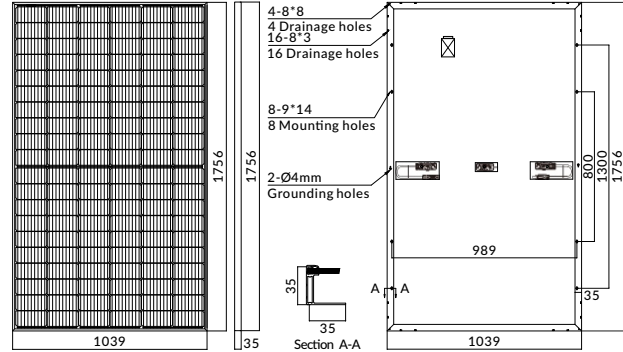
Factory add: No.1 Haiyue Road, Sutong Technologies & Industries Park, 226001 Nantong City, Jiangsu Province, P.R.China.

T: +86 512 6708 1572 | F: +86 512 6708 1570 | sales@luxensolar.com

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	120 (6x20)
Dimensions	1756 x 1039 x 35mm
Weight	20.0kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	300mm (+) / 300mm (-)
	Length can be customized
Connectors	Suzhou Xtong Photovoltaic Technology Co., Ltd.
	PV-XT101.1
Mechanical load test	Front 5400Pa / Rear 2400Pa
PV Module Fire Class	Class C



ELECTRICAL PARAMETERS

POWER CLASS	LNSK-360M		LNSK-365M		LNSK-370M		LNSK-375M		LNSK-380M	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	360W	265W	365W	268W	370W	271W	375W	274W	380W	277W
Open Circuit Voltage (Voc)	40.79V	37.45V	40.99V	37.55V	41.18V	37.66V	41.37V	37.76V	41.57V	37.86V
Short Circuit Current (Isc)	11.18A	9.01A	11.26A	9.07A	11.34A	9.13A	11.42A	9.19A	11.50A	9.25A
Voltage at Maximum power (Vmpp)	33.71V	30.96V	33.92V	31.09V	34.13V	31.22V	34.34V	31.35V	34.55V	31.48V
Current Maximum Power (Impp)	10.68A	8.56A	10.76A	8.62A	10.84A	8.68A	10.92A	8.74A	11.00A	8.80A
MODULE EFFICIENCY (%)	19.73%		20.01%		20.28%		20.55%		20.83%	

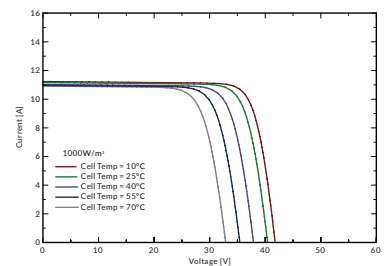
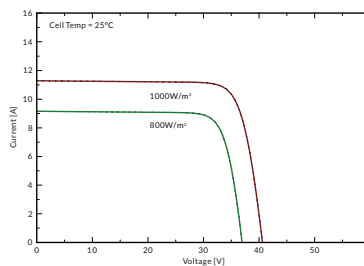
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	6	26
Pieces per container	186	806

I-V CURVE

LNSK-375M/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	20A
Power Tolerance	±3%

TEMPERATURE CHARACTERISTICS

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

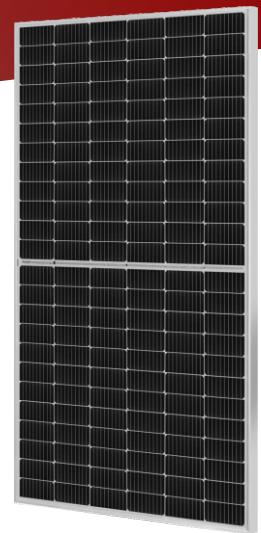
Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.

LUXPOWER® SERIES 4

440-460W Mono

144 Half-Cell Layout

M6/166mm Cell



Half Cut Cell Technology



MBB Technology



Anti-PID
Low LID
Performance



Less Hot Spot
Shading Effects

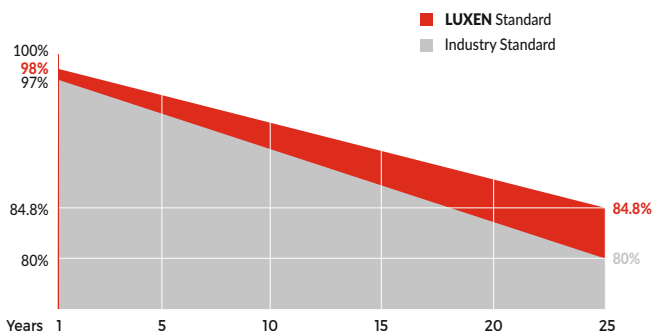


Low Power
Temperature Coefficient



Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC 61215:2016/IEC 61730:2016 Standard quality



LUXEN SOLAR ENERGY CO., LTD.

Manufacturer add: NO.22, North Guandu Road, Wuzhong District, 215104 Suzhou, Jiangsu Province, P.R.China.

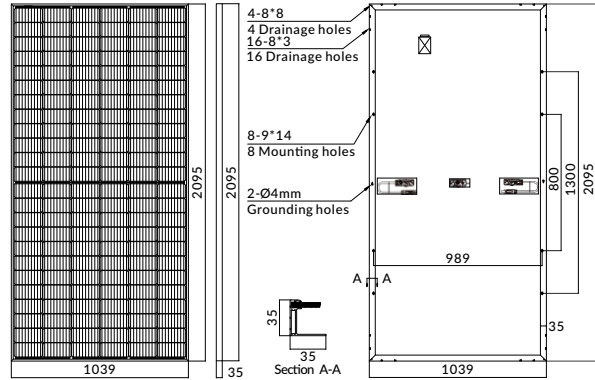
Factory add: No.1 Haiyue Road, Sutong Technologies & Industries Park, 226001 Nantong City, Jiangsu Province, P.R.China.

T: +86 512 6708 1572 | F: +86 512 6708 1570 | sales@luxensolar.com

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	144 (6x24)
Dimensions	2095 x 1039 x 35mm
Weight	23.0kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm ²
	300mm (+) / 300mm (-) Length can be customized
Connectors	Suzhou Xtong Photovoltaic Technology Co., Ltd.
	PV-XT101.1
Mechanical load test	Front 5400Pa / Rear 2400Pa
PV Module Fire Class	Class C



ELECTRICAL PARAMETERS

POWER CLASS	LNSU-440M		LNSU-445M		LNSU-450M		LNSU-455M		LNSU-460M	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	440W	324W	445W	327W	450W	330W	455W	333W	460W	336W
Open Circuit Voltage (Voc)	49.60V	45.51V	49.79V	45.54V	49.77V	45.56V	49.96V	45.59V	50.36V	45.61V
Short Circuit Current (Isc)	11.42A	9.16A	11.48A	9.22A	11.59A	9.29A	11.65A	9.35A	11.66A	9.42A
Voltage at Maximum power (Vmpp)	41.01V	37.67V	41.20V	37.77V	41.40V	37.88V	41.59V	37.98V	41.78V	38.09V
Current Maximum Power (Impp)	10.73A	8.60A	10.80A	8.66A	10.87A	8.71A	10.94A	8.77A	11.01A	8.82A
MODULE EFFICIENCY (%)	20.21%		20.44%		20.67%		20.90%		21.13%	

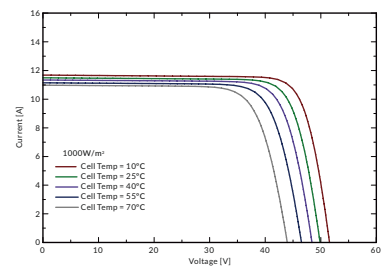
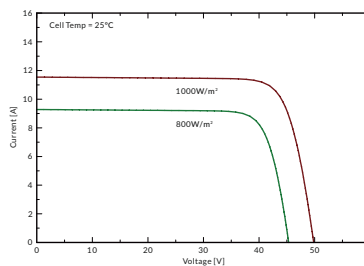
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

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

LNSU-450M/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	20A
Power Tolerance	±3%

TEMPERATURE CHARACTERISTICS

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

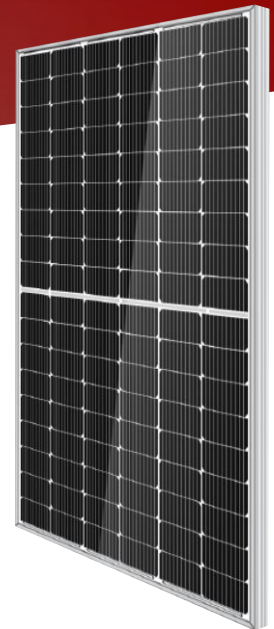
Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.

LUXPOWER® SERIES 5

395-415W Mono

108 Half-Cell Layout

M10/182mm Cell



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID
Low LID
Performance

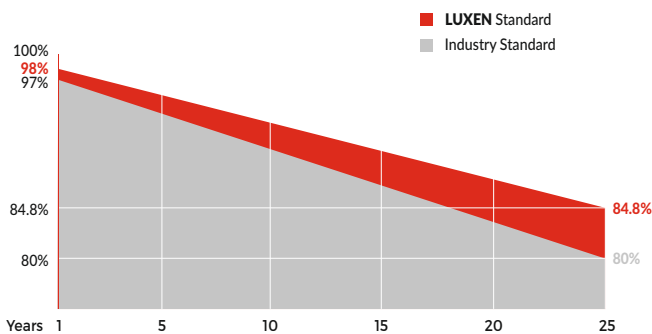


Less Hot Spot
Shading Effects



Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC 61215:2016/IEC 61730:2016 Standard quality



LUXEN SOLAR ENERGY CO., LTD.

Manufacturer add: NO.22, North Guandu Road, Wuzhong District, 215104 Suzhou, Jiangsu Province, P.R.China.

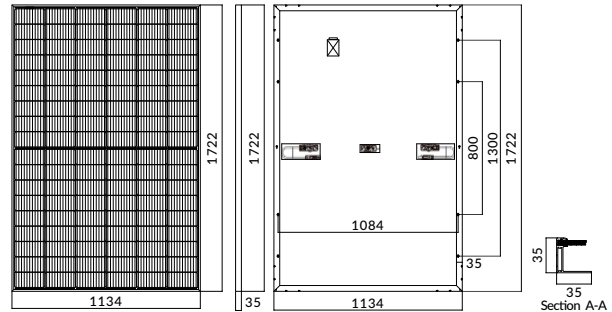
Factory add: No.1 Haiyue Road, Sutong Technologies & Industries Park, 226001 Nantong City, Jiangsu Province, P.R.China.

T: +86 512 6708 1572 | F: +86 512 6708 1570 | sales@luxensolar.com

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	108 (6x18)
Dimensions	1722 x 1134 x 35mm
Weight	21.0kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	300mm (+) / 300mm (-)
	Length can be customized
Connectors	Suzhou Xtong Photovoltage Technology Co., Ltd.
	PV-XT101.1
Mechanical load test	Front 5400Pa / Rear 2400Pa
PV Module Fire Class	Class C



ELECTRICAL PARAMETERS

POWER CLASS	LNVB-395M		LNVB-400M		LNVB-405M		LNVB-410M		LNVB-415M	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	395W	298W	400W	302W	405W	306W	410W	310W	415W	314W
Open Circuit Voltage (Voc)	37.24V	35.25V	37.49V	35.54V	37.74V	35.82V	37.98V	36.10V	38.22V	36.38V
Short Circuit Current (Isc)	13.56A	10.85A	13.63A	10.89A	13.70A	10.93A	13.77A	10.97A	13.84A	11.01A
Voltage at Maximum power (Vmpp)	31.18V	29.13V	31.40V	29.41V	31.62V	29.68V	31.83V	29.95V	32.05V	30.22V
Current Maximum Power (Impp)	12.67A	10.23A	12.74A	10.27A	12.81A	10.31A	12.88A	10.35A	12.95A	10.39A
MODULE EFFICIENCY (%)	20.23%		20.48%		20.74%		21.00%		21.25%	

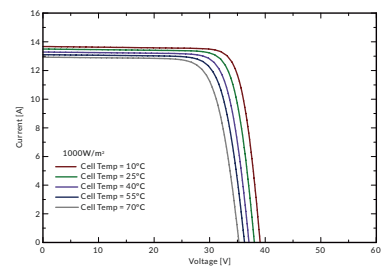
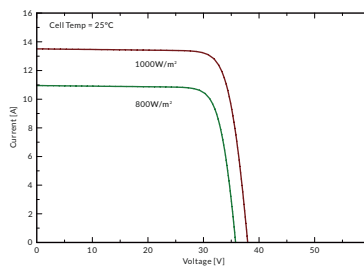
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	6	26
Pieces per container	186	806

I-V CURVE

LNVB-405M/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	±3%

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	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

580-600W Mono

156 Half-Cell Layout

M10/182mm Cell



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID
Low LID
Performance

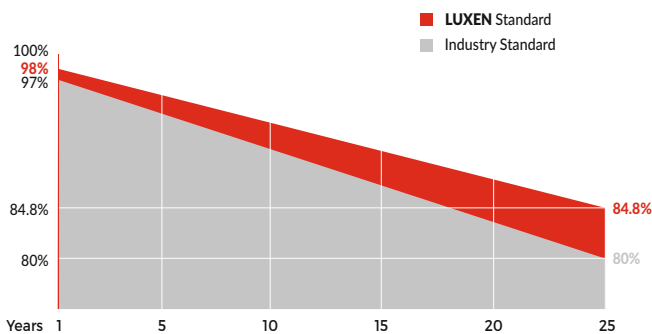


Less Hot Spot
Shading Effects



Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC 61215:2016/IEC 61730:2016 Standard quality



LUXEN SOLAR ENERGY CO., LTD.

Manufacturer add: NO.22, North Guandu Road, Wuzhong District, 215104 Suzhou, Jiangsu Province, P.R.China.

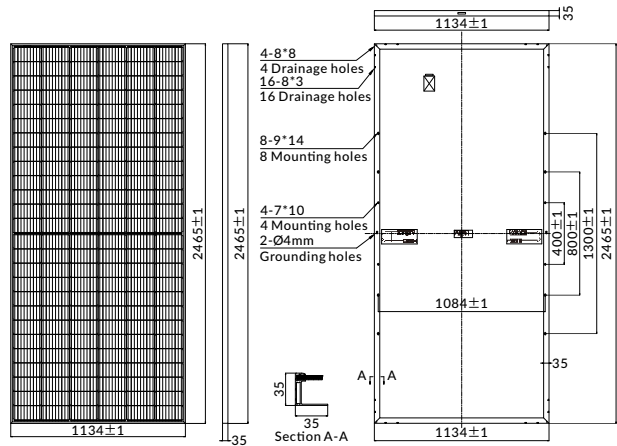
Factory add: No.1 Haiyue Road, Sutong Technologies & Industries Park, 226001 Nantong City, Jiangsu Province, P.R.China.

T: +86 512 6708 1572 | F: +86 512 6708 1570 | sales@luxensolar.com

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	156 (6x26)
Dimensions	2465 x 1134 x 35mm
Weight	30.0kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	300mm (+) / 300mm (-)
	Length can be customized
Connectors	Suzhou Xtong Photovoltage Technology Co., Ltd.
	PV-XT101.1
Mechanical load test	Front 5400Pa / Rear 2400Pa
PV Module Fire Class	Class C



ELECTRICAL PARAMETERS

POWER CLASS	LNVH-580M		LNVH-585M		LNVH-590M		LNVH-595M		LNVH-600M	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	580W	441W	585W	445W	590W	449W	595W	453W	600W	457W
Open Circuit Voltage (Voc)	53.62V	49.47V	53.75V	49.69V	53.88V	49.91V	54.00V	50.13V	54.12V	50.35V
Short Circuit Current (Isc)	13.66A	11.31A	13.73A	11.35A	13.80A	11.39A	13.87A	11.43A	13.94A	11.47A
Voltage at Maximum power (Vmpp)	45.45V	41.25V	45.60V	41.47V	45.74V	41.69V	45.88V	41.91V	46.01V	42.12V
Current Maximum Power (Impp)	12.76A	10.69A	12.83A	10.73A	12.90A	10.77A	12.97A	10.81A	13.04A	10.85A
MODULE EFFICIENCY (%)	20.75%		20.93%		21.11%		21.29%		21.46%	

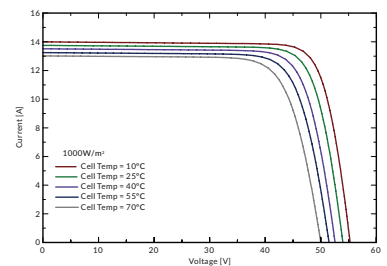
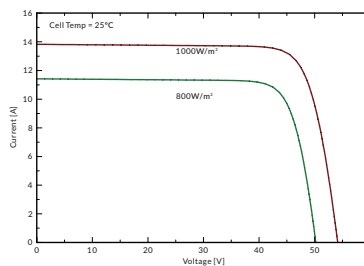
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	4	16
Pieces per container	124	496

I-V CURVE

LNVH-595M/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	±3%

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	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

440-460W Mono

120 Half-Cell Layout

M10/182mm Cell



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID
Low LID
Performance

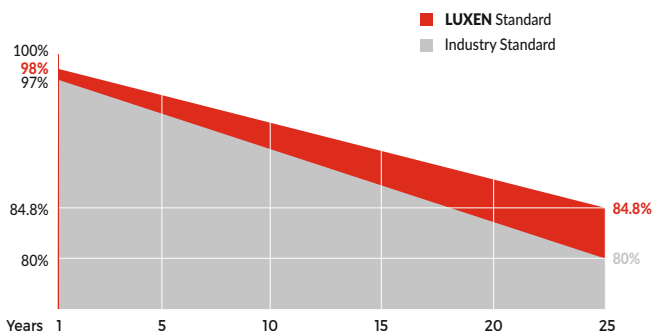


Less Hot Spot
Shading Effects



Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC 61215:2016/IEC 61730:2016 Standard quality



LUXEN SOLAR ENERGY CO., LTD.

Manufacturer add: NO.22, North Guandu Road, Wuzhong District, 215104 Suzhou, Jiangsu Province, P.R.China.

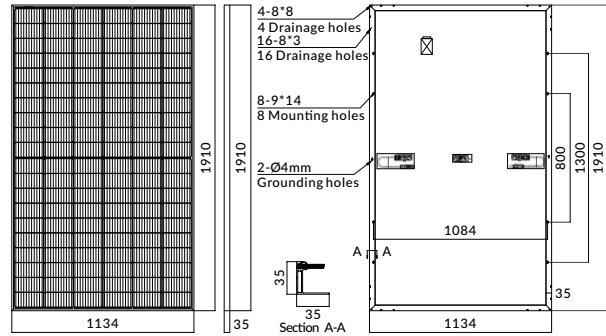
Factory add: No.1 Haiyue Road, Sutong Technologies & Industries Park, 226001 Nantong City, Jiangsu Province, P.R.China.

T: +86 512 6708 1572 | F: +86 512 6708 1570 | sales@luxensolar.com

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	120 (6x20)
Dimensions	1910 x 1134 x 35mm
Weight	23.0kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	300mm (+) / 300mm (-)
	Length can be customized
Connectors	Suzhou Xtong Photovoltaic Technology Co., Ltd.
	PV-XT101.1
Mechanical load test	Front 5400Pa / Rear 2400Pa
PV Module Fire Class	Class C



ELECTRICAL PARAMETERS

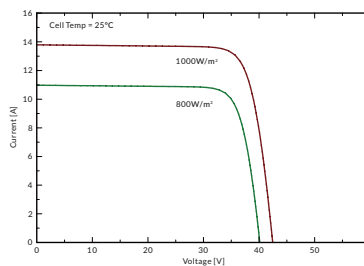
POWER CLASS	LNVK-440M		LNVK-445M		LNVK-450M		LNVK-455M		LNVK-460M	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	440W	331W	445W	335W	450W	339W	455W	343W	460W	347W
Open Circuit Voltage (Voc)	41.94V	39.56V	42.12V	39.83V	42.31V	40.09V	42.49V	40.35V	42.68V	40.62V
Short Circuit Current (Isc)	13.58A	10.87A	13.65A	10.91A	13.72A	10.95A	13.79A	10.99A	13.86A	11.03A
Voltage at Maximum power (Vmpp)	34.67V	32.29V	34.87V	32.56V	35.07V	32.82V	35.27V	33.08V	35.47V	33.33V
Current Maximum Power (Impp)	12.69A	10.25A	12.76A	10.29A	12.83A	10.33A	12.90A	10.37A	12.97A	10.41A
MODULE EFFICIENCY (%)	20.31%		20.55%		20.78%		21.01%		21.24%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

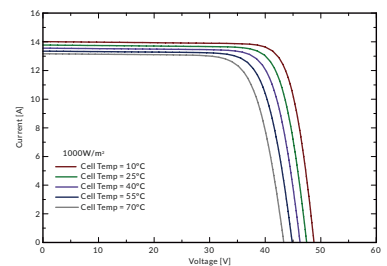
PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	6	24
Pieces per container	186	744

I-V CURVE



LNVK-455M/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	±3%

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	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

490-510W Mono

132 Half-Cell Layout

M10/182mm Cell



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID
Low LID
Performance

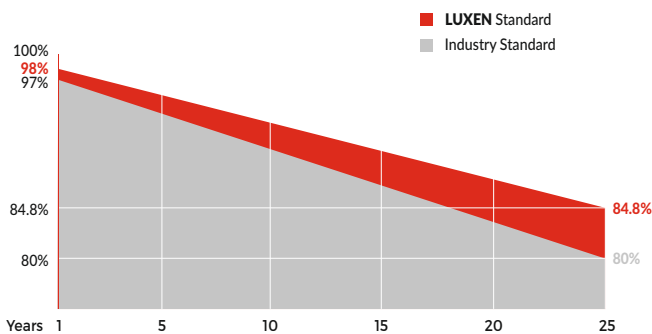


Less Hot Spot
Shading Effects



Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC 61215:2016/IEC 61730:2016 Standard quality



LUXEN SOLAR ENERGY CO., LTD.

Manufacturer add: NO.22, North Guandu Road, Wuzhong District, 215104 Suzhou, Jiangsu Province, P.R.China.

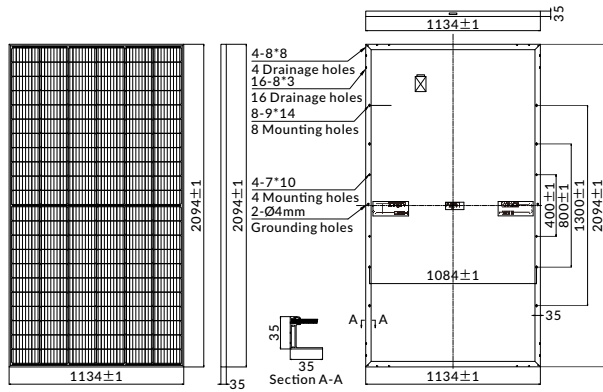
Factory add: No.1 Haiyue Road, Sutong Technologies & Industries Park, 226001 Nantong City, Jiangsu Province, P.R.China.

T: +86 512 6708 1572 | F: +86 512 6708 1570 | sales@luxensolar.com

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	132 (6x22)
Dimensions	2094 x 1134 x 35mm
Weight	25.5kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	300mm (+) / 300mm (-)
	Length can be customized
Connectors	Suzhou Xtong Photovoltaic Technology Co., Ltd.
	PV-XT101.1
Mechanical load test	Front 5400Pa / Rear 2400Pa
PV Module Fire Class	Class C



ELECTRICAL PARAMETERS

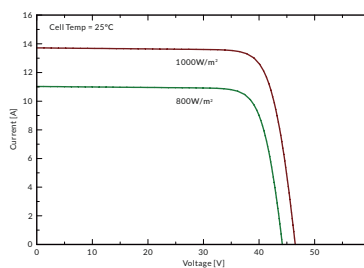
POWER CLASS	LNVT-490M		LNVT-495M		LNVT-500M		LNVT-505M		LNVT-510M	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	490W	369W	495W	373W	500W	377W	505W	381W	510W	385W
Open Circuit Voltage (Voc)	46.34V	43.78V	46.51V	44.03V	46.67V	44.28V	46.83V	44.52V	46.99V	44.77V
Short Circuit Current (Isc)	13.67A	10.93A	13.74A	10.97A	13.81A	11.01A	13.88A	11.05A	13.95A	11.09A
Voltage at Maximum power (Vmpp)	38.34V	35.79V	38.52V	36.04V	38.70V	36.28V	38.88V	36.53V	39.05V	36.77V
Current Maximum Power (Impp)	12.78A	10.31A	12.85A	10.35A	12.92A	10.39A	12.99A	10.43A	13.06A	10.47A
MODULE EFFICIENCY (%)	20.64%		20.85%		21.06%		21.27%		21.48%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

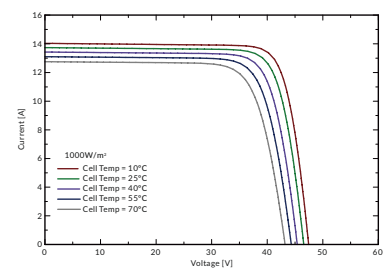
PACKING CONFIGURATION

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

I-V CURVE



LNVT-500M/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	±3%

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	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

144 Half-Cell Layout

M10/182mm Cell



Gallium-doped Technology



Half Cut Cell Technology



MBB Technology



Anti-PID
Low LID
Performance

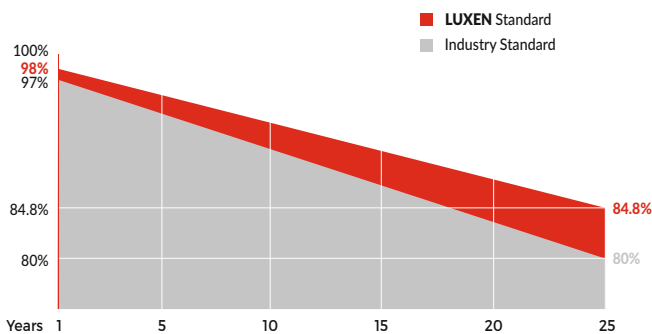


Less Hot Spot
Shading Effects



Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC 61215:2016/IEC 61730:2016 Standard quality



LUXEN SOLAR ENERGY CO., LTD.

Manufacturer add: NO.22, North Guandu Road, Wuzhong District, 215104 Suzhou, Jiangsu Province, P.R.China.

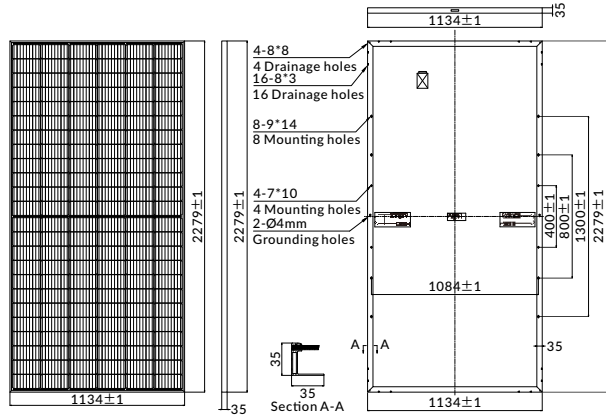
Factory add: No.1 Haiyue Road, Sutong Technologies & Industries Park, 226001 Nantong City, Jiangsu Province, P.R.China.

T: +86 512 6708 1572 | F: +86 512 6708 1570 | sales@luxensolar.com

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	144 (6x24)
Dimensions	2279 x 1134 x 35mm
Weight	27.5kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	300mm (+) / 300mm (-)
	Length can be customized
Connectors	Suzhou Xtong Photovoltaic Technology Co., Ltd.
	PV-XT101.1
Mechanical load test	Front 5400Pa / Rear 2400Pa
PV Module Fire Class	Class C



ELECTRICAL PARAMETERS

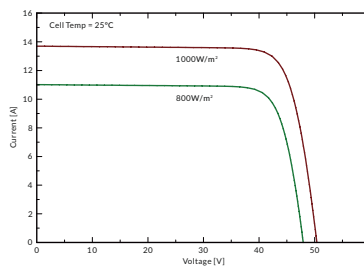
POWER CLASS	LNVU-530M		LNVU-535M		LNVU-540M		LNVU-545M		LNVU-550M	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	530W	401W	535W	405W	540W	409W	545W	413W	550W	417W
Open Circuit Voltage (Voc)	49.74V	47.16V	49.89V	47.40V	50.04V	47.63V	50.18V	47.87V	50.32V	48.10V
Short Circuit Current (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/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

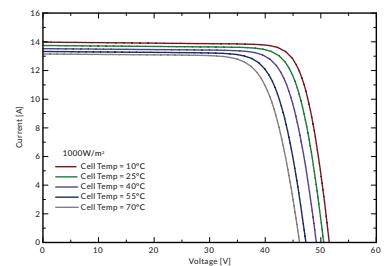
PACKING CONFIGURATION

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

I-V CURVE



LNVU-545M/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	±3%

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	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.