



ENERGATE

The gate to the Energy!

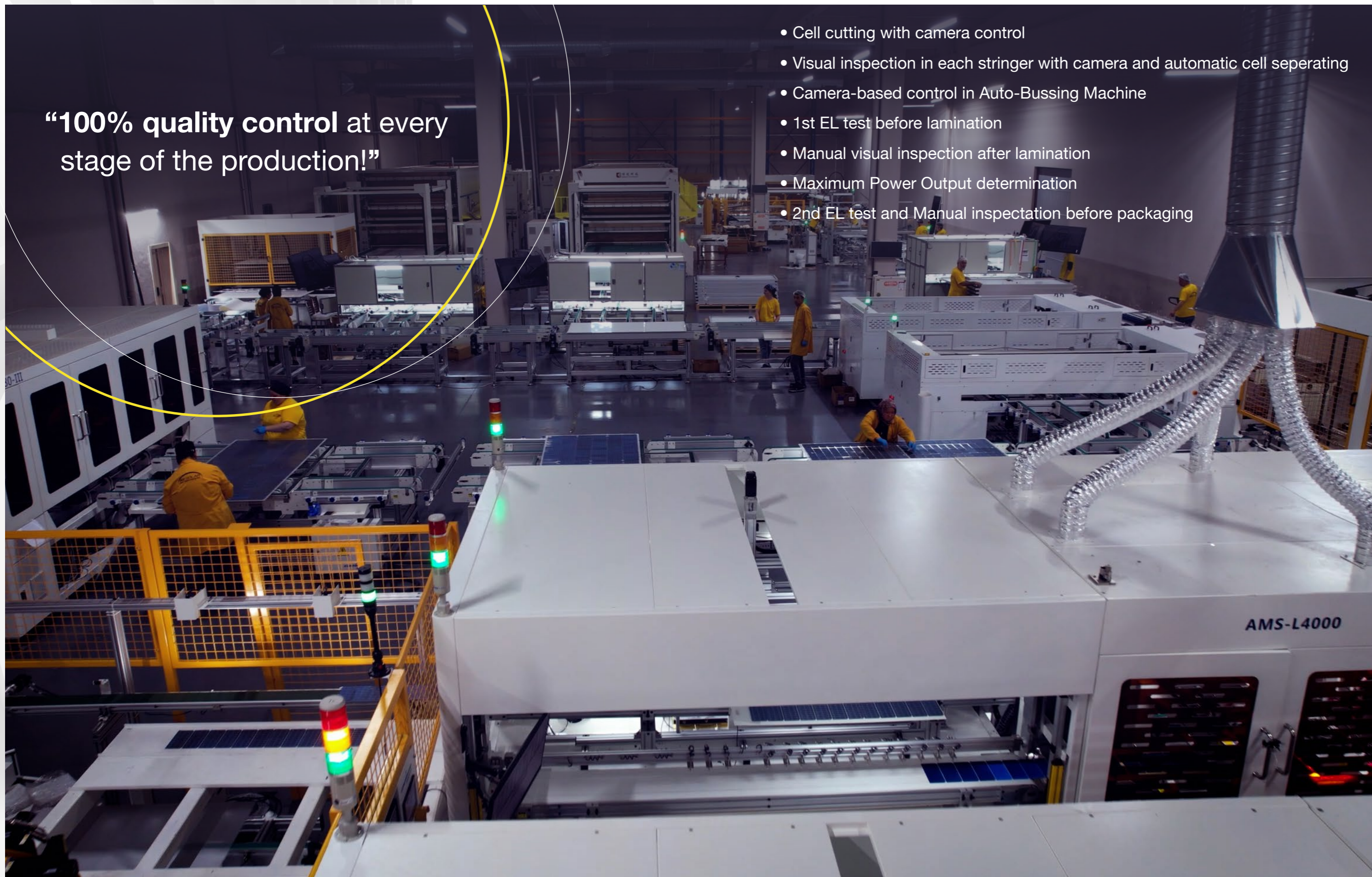
Vision: In our ideal world that we want to achieve, all people have access to electricity, and it significantly contributes to meeting final energy needs for activities like communications, emission-free transportation and mobility, efficient heating and cooling, and even the production of sustainable fuels, chemicals, and materials. Buildings will increasingly function as sites of energy generation rather than just energy consumption as solar PV is implemented. Solar PV has the potential to overtake all other energy sources in the globe due to the sun's plentiful availability, the technology's modularity, and ongoing cost and efficiency advancements.

Mission: To provide our customers clean and green energy with in the most convenient, reliable and cost-effective way.



“100% quality control at every stage of the production!”

- Cell cutting with camera control
- Visual inspection in each stringer with camera and automatic cell seperating
- Camera-based control in Auto-Bussing Machine
- 1st EL test before lamination
- Manual visual inspection after lamination
- Maximum Power Output determination
- 2nd EL test and Manual inspection before packaging





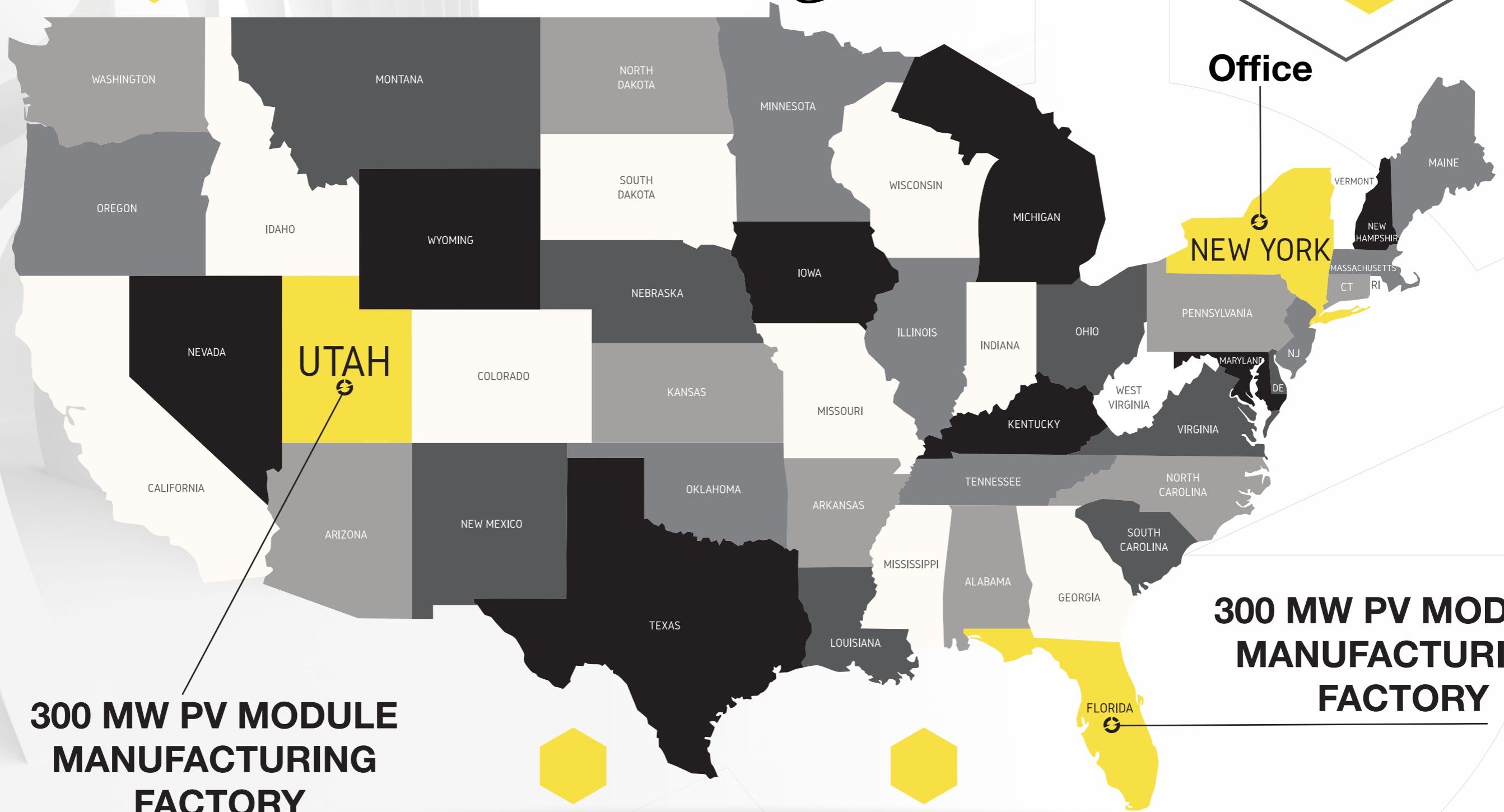


ENERGATE

Coming Soon

**TOTAL 1.9 GW
IN HOUSE
CAPACITY**

**10 years of PV module
manufacturing
experience.**



Office

NEW YORK

**300 MW PV MODULE
MANUFACTURING
FACTORY**

**300 MW PV MODULE
MANUFACTURING
FACTORY**

120
Half Cells

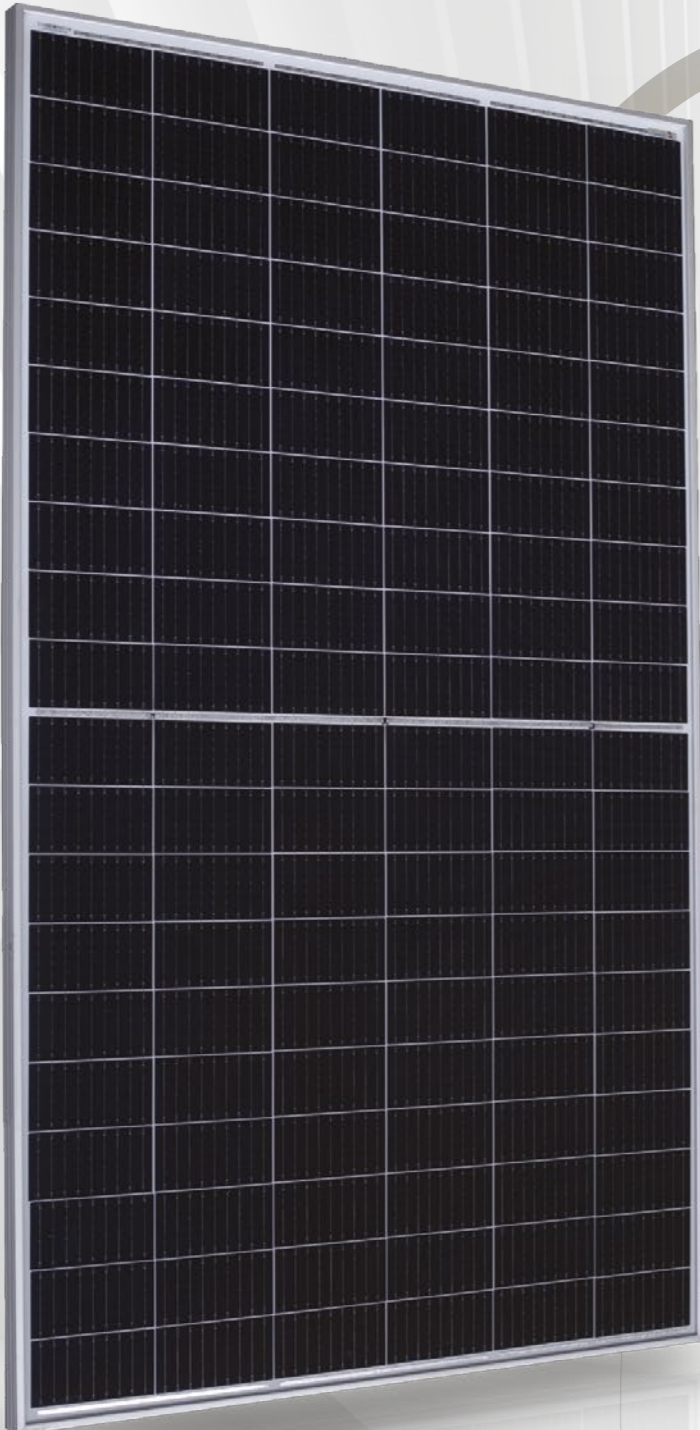
 LID
RESISTANT

 PID
RESISTANT

 SALTY CORROSION
RESISTANT

 SAND
RESISTANT

 NH₃
AMMONIA
RESISTANT

 HIGHLY STABLE
AND TOUGH

 With
Full Black
Option

30
years
Performance
Guarantee

15
years
Product
Warranty

Mechanical and design specification

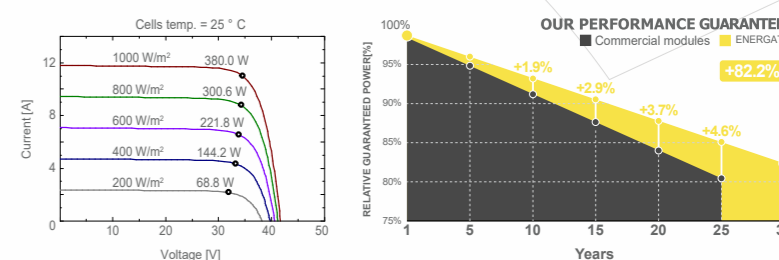
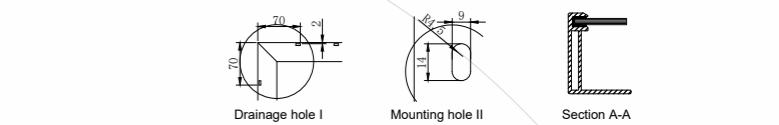
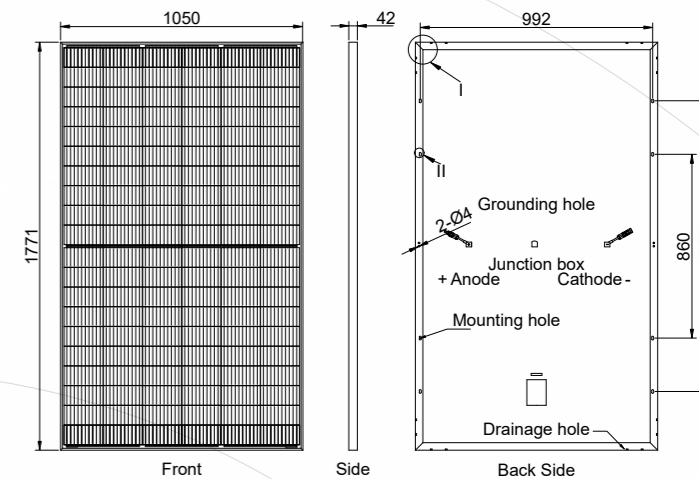
Cell type	Gallium-doped Mono c-Si PERC, Half-cut cells, 166 mm
No. of cells	120
Glass	3.2 mm, high transmission, AR coated, tempered
Encapsulation	EVA
Back cover	White backsheet
Junction box	IP 68 rated
Frame	42 mm anodized Aluminium alloy
Cable	1 x 4 mm ² , 350 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	1771 mm x 1050mm x 42 mm
Weight	19.5 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa/ 244 kg/ m ²
Mechanical load	5400 Pa/ 550 kg/ m ²

Packaging information

Packaging configuration	26 Pallets - 27 pcs per pallet
Loading capacity	702 pcs / 40 HQ
Size / Pallet	1791 mm x 1090 mm x 1200 mm
Weight	14417 kg / 40 HQ

Temperature ratings

Operating temperature	(°C)	-40 to +85
Temp.coefficient of P _{max}	(%/°C)	-0.37
Temp.coefficient of V _{oc}	(%/°C)	-0.286
Temp.coefficient of I _{sc}	(%/°C)	0.057
Nom. operating temp. NOCT	(°C)	45 ± 2



Electrical specifications (STC*):	EG-120M 370W	EG-120M 375W	EG-120M 380W	
Nominal Max. Power	P _{max} (Wp)	370	375	380
Maximum operating voltage	V _{MPP} (V)	34.4	34.6	34.8
Maximum operating current	I _{MPP} (A)	10.76	10.84	10.92
Open-circuit voltage	V _{oc} (V)	41.3	41.5	41.7
Short-circuit current	I _{sc} (A)	11.60	11.70	11.80
Module efficiency	η (%)	20.31	20.59	20.86
Power tolerance	(W)		0~+5	
Maximum system Voltage	(V)		1500	
Maximum series fuse rating	(A)		20	

 *STC: Standard test conditions (Irradiance 1000 W/m², Cell temperature 25°C and air mass of AM1.5)

Electrical specifications (NMOT*):	EG-120M 370W	EG-120M 375W	EG-120M 380W	
Nominal Max. Power	P _{max} (Wp)	279	283	287
Maximum operating voltage	V _{MPP} (V)	32.40	32.60	32.80
Maximum operating current	I _{MPP} (A)	8.60	8.67	8.74
Open-circuit voltage	V _{oc} (V)	38.90	39.10	39.30
Short-circuit current	I _{sc} (A)	9.28	9.36	9.44

 *NMOT: Normal Module Operating Temperature (Irradiance 800 W/m², Ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

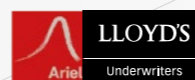
The specifications and characteristics contained in this datasheet may deviate slightly from our actual products due to the product developments and uncertainty of measurement devices. The specifications included in the datasheet are subject to change without prior notice.

HIGH ENERGY YIELD
RELIABILITY
DURABILITY

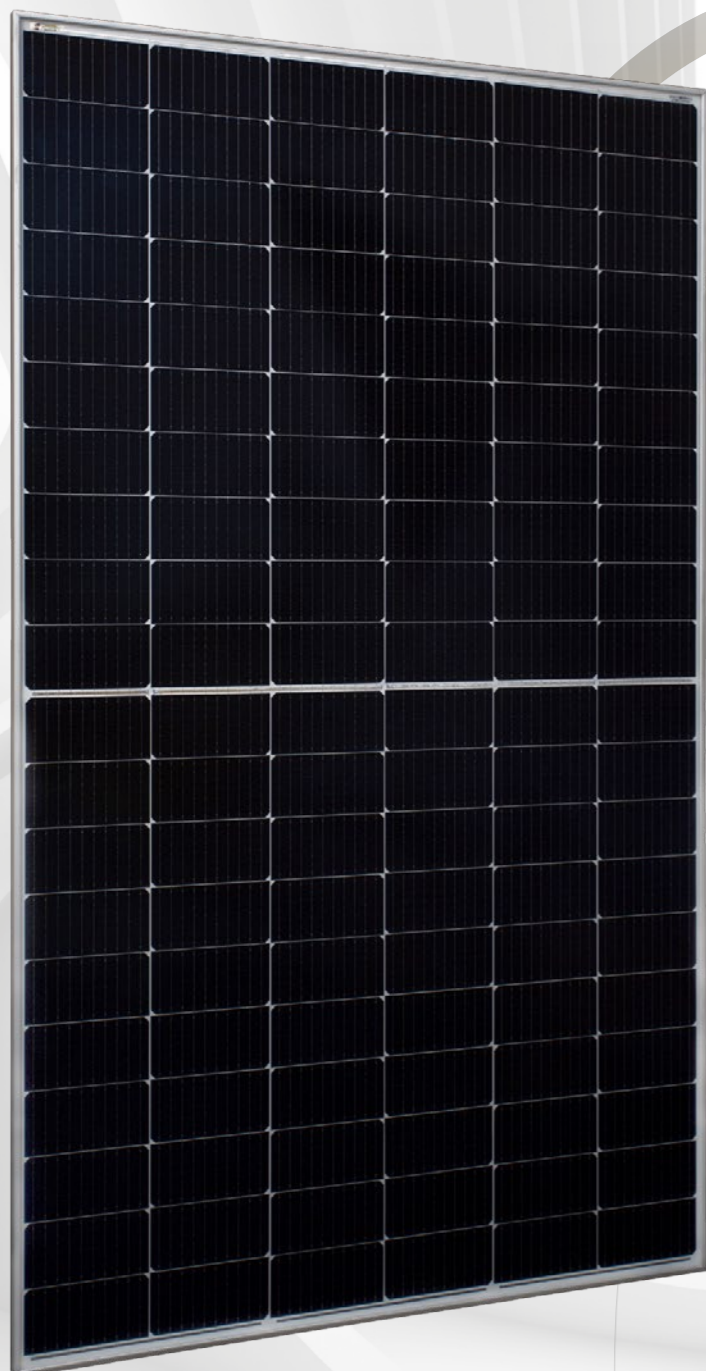
 MONO-CRYSTALLINE PV MODULES
FULL CELLS • MONO-FACIAL

370W-380W
EG-120M Series

 IEC 61215
IEC 61730
Regular Production Surveillance
Type Tested and Monitored

 IEC 62716 (Ammonia corrosion)
IEC 61701 (Salt mist corrosion)
IEC 60068 (Sand and dust)
IEC 62804 (PID resistance)


120 Half Cells



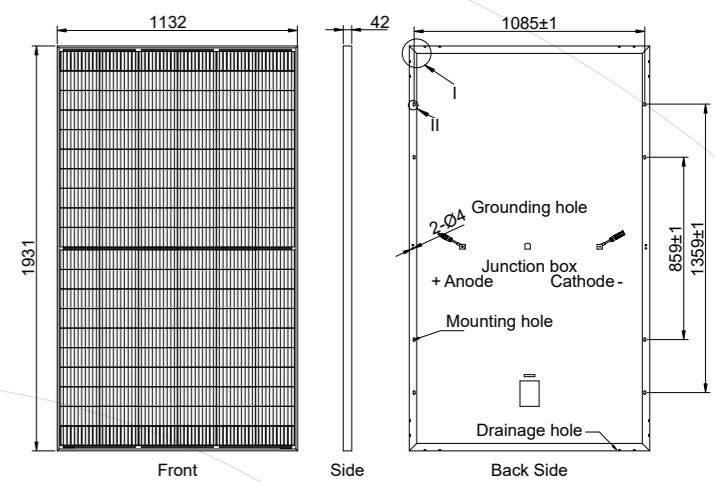
With Full Black Option

30 years Performance Guarantee

15 years Product Warranty

Mechanical and design specification

Cell type	Gallium-doped Mono c-Si PERC, Half-cut cells, 182 mm
No. of cells	120
Glass	3.2 mm, high transmission, AR coated, tempered
Encapsulation	EVA
Back cover	White backsheet
Junction box	IP 68 rated
Frame	30 mm anodized Aluminium alloy
Cable	1 x 4 mm ² , 350 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	1932 mm x 1132mm x 42 mm
Weight	24 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa/ 244 kg/ m ²
Mechanical load	5400 Pa/ 550 kg/ m ²

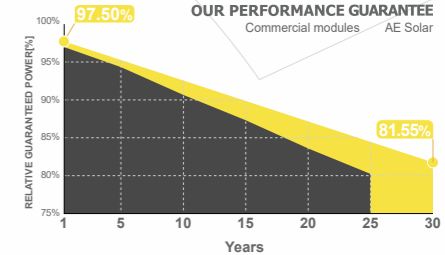
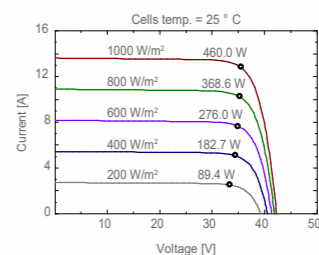


Packaging information

Packaging configuration	24 Pallets - 27 pcs per pallet
Loading capacity	648 pcs / 40 HQ
Size / Pallet	1950mm x 1140 mm x 2600 mm
Weight	16224 kg / 40 HQ

Temperature ratings

Operating temperature (°C)	-40 to +85
Temp.coefficient of P _{max} (%/°C)	-0.35
Temp.coefficient of V _{oc} (%/°C)	-0.275
Temp.coefficient of I _{sc} (%/°C)	0.045
Nom. operating temp. NOCT (°C)	45 ± 2



Electrical specifications (STC*):		EG-120M 450W	EG120-455W	EG-120 460W
Nominal Max. Power	P _{max} (Wp)	450	455	460
Maximum operating voltage	V _{MPP} (V)	34.70	34.90	35.04
Maximum operating current	I _{MPP} (A)	13.00	13.05	13.154
Open-circuit voltage	V _{oc} (V)	41.21	41.51	41.65
Short-circuit current	I _{sc} (A)	13.66	13.82	13.851
Module efficiency	η (%)	20.60	20.80	21.1
Power tolerance	(W)		0~+5	
Maximum system Voltage	(V)		1500	
Maximum series fuse rating	(A)		25	

*STC: Standard test conditions (Irradiance 1000 W/m², Cell temperature 25°C and air mass of AM1.5)

Electrical specifications (NMOT*):		EG-120M 450W	EG120-455W	EG-120 460W
Nominal Max. Power	P _{max} (Wp)	367.3	371.2	375.4
Maximum operating voltage	V _{MPP} (V)	28.32	28.47	28.60
Maximum operating current	I _{MPP} (A)	10.61	10.65	10.73
Open-circuit voltage	V _{oc} (V)	33.63	33.86	33.99
Short-circuit current	I _{sc} (A)	11.14	11.27	11.30

*NMOT: Normal Module Operating Temperature (Irradiance 800 W/m², Ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

The specifications and characteristics contained in this datasheet may deviate slightly from our actual products due to the product developments and uncertainty of measurement devices. The specifications included in the datasheet are subject to change without prior notice.

HIGH ENERGY YIELD
RELIABILITY
DURABILITY

MONO-CRYSTALLINE PV MODULES
HALF CELLS • MONO-FACIAL

450W-460W
EG-120M Series

108
Half Cells

 LID
RESISTANT

 PID
RESISTANT

 SALT CORROSION
RESISTANT

 SAND
RESISTANT

 NH₃
AMMONIA
RESISTANT

 HIGHLY STABLE
AND TOUGH

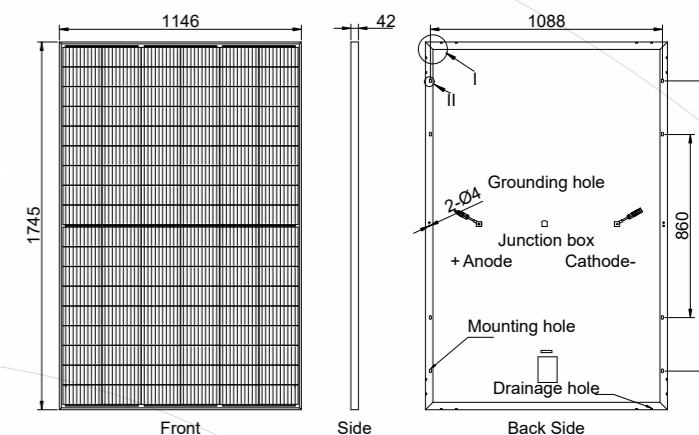
 With
Full Black
Option

30
years
Performance
Guarantee

15
years
Product
Warrenty

Mechanical and design specification

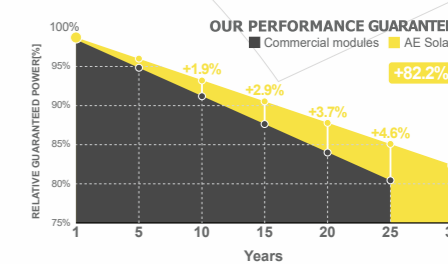
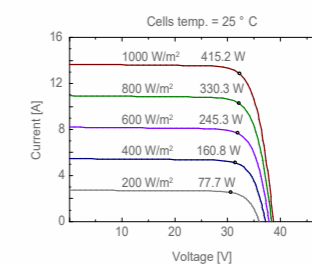
Cell type	Gallium-doped Mono c-Si PERC, Half-cut cells, 182 mm
No. of cells	108
Glass	3.2 mm, high transmission, AR coated, tempered
Encapsulation	EVA
Back cover	White backsheet
Junction box	IP 68 rated
Frame	42 mm anodized Aluminium alloy
Cable	1 x 4 mm ² , 350 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	1745 mm x 1146 mm x 42mm
Weight	21.5 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa/ 244 kg/ m ²
Mechanical load	5400 Pa/ 550 kg/ m ²


Packaging information

Packaging configuration	26 Pallets - 27 pcs per pallet
Loading capacity	702 pcs / 40 HQ
Size / Pallet	1765 mm x 1090 mm x 1296 mm
Weight	15821 kg / 40 HQ

Temperature ratings

Operating temperature	(°C)	-40 to +85
Temp.coefficient of P _{max}	(%/°C)	-0.35
Temp.coefficient of V _{oc}	(%/°C)	-0.275
Temp.coefficient of I _{sc}	(%/°C)	0.045
Nom. operating temp. NOCT	(°C)	45 ± 2



Electrical specifications (STC*):	EG-108L 395W	EG-108L 400W	EG-108L 405W	EG-108L 410W	EG-108L 415W	
Nominal Max. Power	P _{max} (Wp)	395	400	405	410	415
Maximum operating voltage	V _{MPP} (V)	31.08	31.35	31.62	31.88	32.12
Maximum operating current	I _{MPP} (A)	12.71	12.76	12.81	12.86	12.92
Open-circuit voltage	V _{oc} (V)	37.36	37.69	38.02	38.35	38.67
Short-circuit current	I _{sc} (A)	13.47	13.52	13.57	13.62	13.67
Module efficiency	η (%)	20.22	20.48	20.73	20.99	21.25
Power tolerance	(W)			0~+5		
Maximum system Voltage	(V)			1500		
Maximum series fuse rating	(A)			25		

 *STC: Standard test conditions (Irradiance 1000 W/m², Cell temperature 25°C and air mass of AM1.5)

Electrical specifications (NMOT*):	EG-108L 395W	EG-108L 400W	EG-108L 405W	EG-108L 410W	EG-108L 415W	
Nominal Max. Power	P _{max} (Wp)	298	301	304	308	311
Maximum operating voltage	V _{MPP} (V)	29.30	29.50	29.70	29.90	30.10
Maximum operating current	I _{MPP} (A)	10.17	10.21	10.25	10.29	10.34
Open-circuit voltage	V _{oc} (V)	35.20	35.40	35.60	35.80	36.00
Short-circuit current	I _{sc} (A)	10.78	10.82	10.86	10.90	10.94

 *NMOT: Normal Module Operating Temperature (Irradiance 800 W/m², Ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

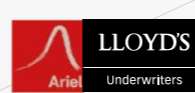
The specifications and characteristics contained in this datasheet may deviate slightly from our actual products due to the product developments and uncertainty of measurement devices. The specifications included in the datasheet are subject to change without prior notice.

HIGH ENERGY YIELD
RELIABILITY
DURABILITY

 MONO-CRYSTALLINE PV MODULES
HALF CELLS • MONO-FACIAL

395W-415W
EG-108L Series

 IEC 61215
IEC 61730
Regular Production Surveillance
Type Tested and Monitored

 IEC 62716 (Ammonia corrosion)
IEC 61701 (Salt mist corrosion)
IEC 60068 (Sand and dust)
IEC 62804 (PID resistance)


144
Half Cells

 LID
RESISTANT

 PID
RESISTANT

 SALT CORROSION
RESISTANT

 SAND
RESISTANT

 NH₃
AMMONIA
RESISTANT

 HIGHLY STABLE
AND TOUGH

 With
Bifacial
Option

30
years
Performance
Guarantee

15
years
Product
Warranty

HIGH ENERGY YIELD
RELIABILITY
DURABILITY

 MONO-CRYSTALLINE PV MODULES
HALF CELLS • MONO-FACIAL

530W-550W
EG-144L Series

Mechanical and design specification

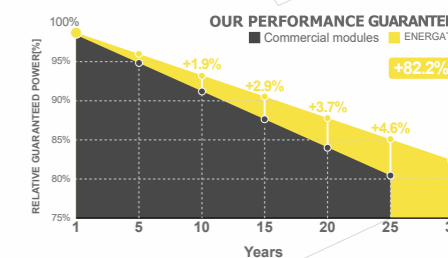
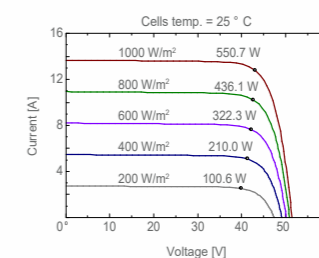
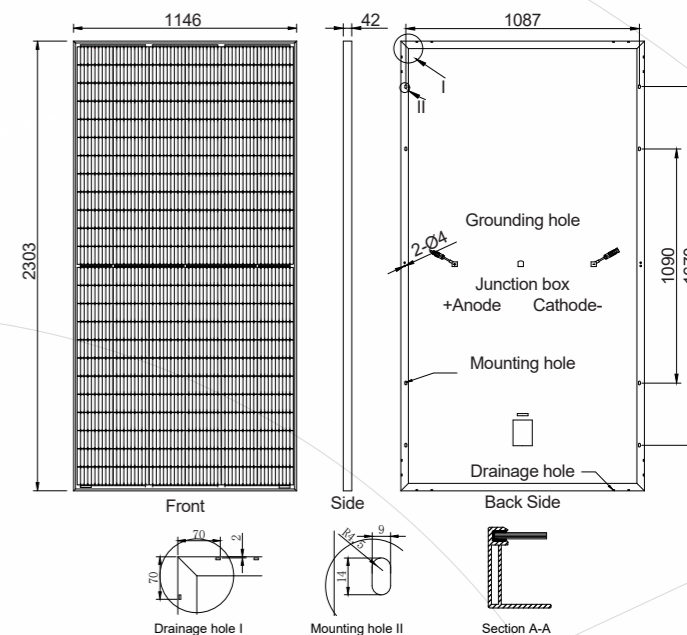
Cell type	Gallium-doped Mono c-Si PERC, Half-cut cells, 182 mm
No. of cells	144
Glass	3.2 mm, high transmission, AR coated, tempered
Encapsulation	EVA
Back cover	White backsheet
Junction box	IP 68 rated
Frame	42 mm anodized Aluminium alloy
Cable	1 x 4 mm ² , 350 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	2295 mm x 1132 mm x 42 mm
Weight	27 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa/ 244 kg/ m ²
Mechanical load	5400 Pa/ 550 kg/ m ²

Packaging information

Packaging configuration	20 Pallets - 27 pcs per pallet
Loading capacity	540 pcs / 40 HQ
Size / Pallet	2323 mm x 1100 mm x 1296 mm
Weight	15700 kg / 40 HQ

Temperature ratings

Operating temperature	(°C)	-40 to +85
Temp.coefficient of P _{max}	(%/°C)	-0.35
Temp.coefficient of V _{oc}	(%/°C)	-0.275
Temp.coefficient of I _{sc}	(%/°C)	0.045
Nom. operating temp. NOCT	(°C)	45 ± 2



Electrical specifications (STC*):	EG-144L 530W	EG-144L 535W	EG-144L 540W	EG-144L 545W	EG-144L 550W	
Nominal Max. Power	P _{max} (Wp)	530	535	540	545	550
Maximum operating voltage	V _{MPP} (V)	41.70	41.93	42.15	42.38	42.57
Maximum operating current	I _{MPP} (A)	12.71	12.76	12.81	12.86	12.92
Open-circuit voltage	V _{oc} (V)	49.65	49.78	49.90	50.01	51.44
Short-circuit current	I _{sc} (A)	13.47	13.52	13.57	13.62	13.67
Module efficiency	η (%)	20.40	20.60	20.80	21.00	21.20
Power tolerance	(W)			0~+5		
Maximum system Voltage	(V)			1500		
Maximum series fuse rating	(A)			25		

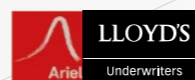
 *STC: Standard test conditions (Irradiance 1000 W/m², Cell temperature 25°C and air mass of AM1.5)

Electrical specifications (NMOT*):	EG-144L 530W	EG-144L 535W	EG-144L 540W	EG-144L 545W	EG-144L 550W	
Nominal Max. Power	P _{max} (Wp)	400	403	407	410	414
Maximum operating voltage	V _{MPP} (V)	39.30	39.50	39.70	39.90	40.10
Maximum operating current	I _{MPP} (A)	10.17	10.21	10.25	10.29	10.34
Open-circuit voltage	V _{oc} (V)	47.00	47.20	47.40	47.60	47.80
Short-circuit current	I _{sc} (A)	10.78	10.82	10.86	10.90	10.94

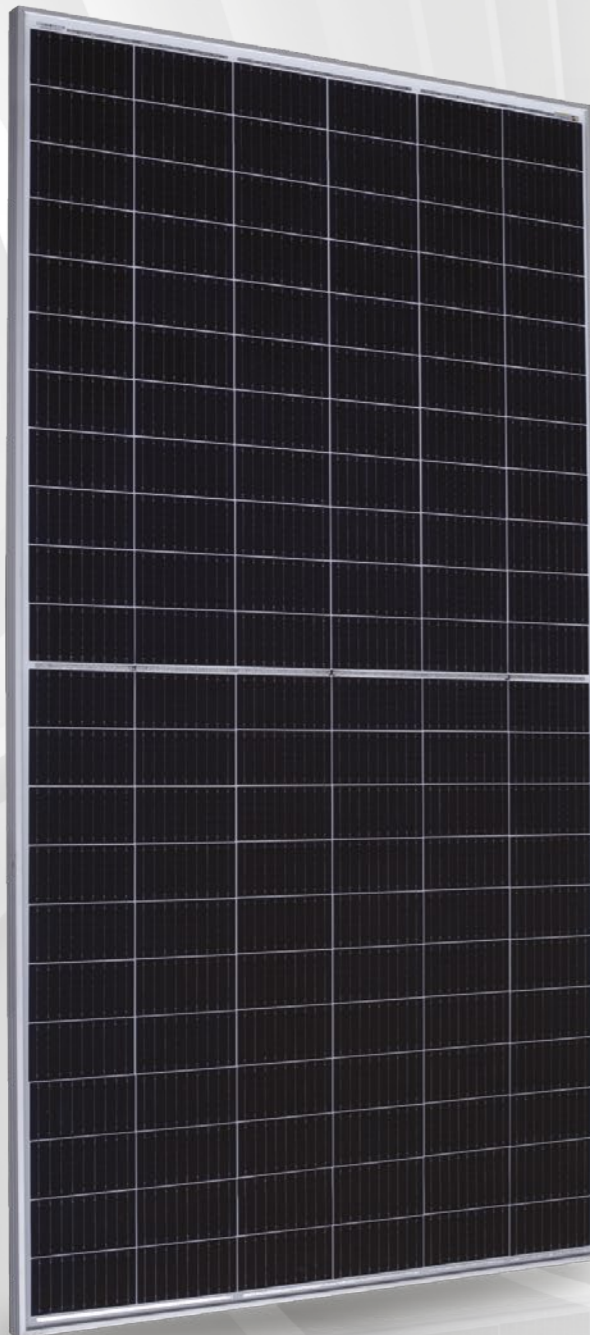
 *NMOT: Normal Module Operating Temperature (Irradiance 800 W/m², Ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

The specifications and characteristics contained in this datasheet may deviate slightly from our actual products due to the product developments and uncertainty of measurement devices. The specifications included in the datasheet are subject to change without prior notice.


 IEC 61215
IEC 61730
Regular Production Surveillance
Type Tested and Monitored

 IEC 62716 (Ammonia corrosion)
IEC 61701 (Salt mist corrosion)
IEC 60068 (Sand and dust)
IEC 62804 (PID resistance)


132
Half
Cells



With
Bifacial
Option

30
years
Performance
Guarantee

15
years
Product
Warranty

MONO-CRYSTALLINE PV MODULES **EG-132XL Series 645W-665W/132 Half Cells**

Mechanical and design specification

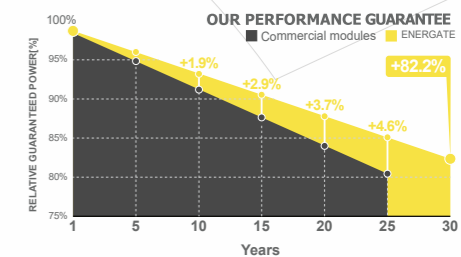
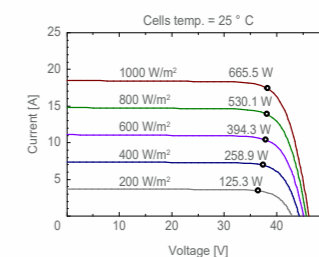
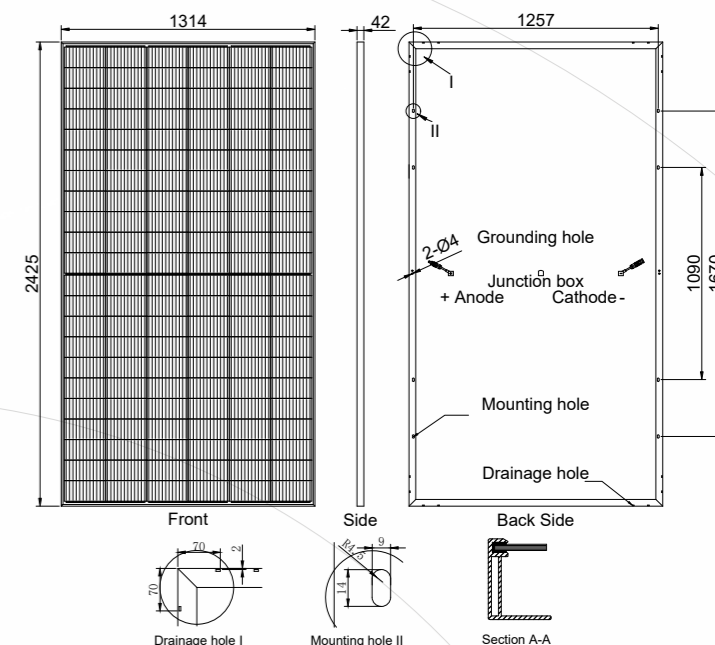
Cell type	Gallium-doped Mono c-Si PERC, Half-cut cells, 210 mm
No. of cells	132
Glass	3.2 mm, high transmission, AR coated, tempered
Encapsulation	EVA
Back cover	White backsheet
Junction box	IP 68 rated
Frame	42 mm anodized Aluminium alloy
Cable	1 x 4 mm ² , 350 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	2425 mm x 1314 mm x 42 mm
Weight	33.9 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa/ 244 kg/ m ²
Mechanical load	5400 Pa/ 550 kg/ m ²

Packaging information

Packaging configuration	20 Pallets - 27 pcs per pallet
Loading capacity	540 pcs / 40 HQ
Size / Pallet	2445 mm x 1140 mm x 1464 mm
Weight	18866 kg / 40 HQ

Temperature ratings

Operating temperature	(°C)	-40 to +85
Temp.coefficient of P _{max}	(%/°C)	-0.34
Temp.coefficient of V _{oc}	(%/°C)	-0.25
Temp.coefficient of I _{sc}	(%/°C)	0.04
Nom. operating temp. NOCT	(°C)	43 ± 2



Electrical specifications (STC*):		EG-132XL 645W	EG-132XL 650W	EG-132XL 655W	EG-132XL 660W	EG-132XL 665W
Nominal Max. Power	P _{max} (Wp)	645	650	655	660	665
Maximum operating voltage	V _{MPP} (V)	37.20	37.40	37.60	37.80	38.00
Maximum operating current	I _{MPP} (A)	17.34	17.38	17.42	17.46	17.50
Open-circuit voltage	V _{oc} (V)	45.30	45.50	45.70	45.90	46.10
Short-circuit current	I _{sc} (A)	18.25	18.32	18.38	18.43	18.49
Module efficiency	η (%)	20.76	20.92	21.09	21.25	21.41
Power tolerance	(W)	0~+5				
Maximum system Voltage	(V)	1500				
Maximum series fuse rating	(A)	30				

*STC: Standard test conditions (Irradiance 1000 W/m², Cell temperature 25°C and air mass of AM1.5)

Electrical specifications (NMOT*):		EG-132XL 645W	EG-132XL 650W	EG-132XL 655W	EG-132XL 660W	EG-132XL 665W
Nominal Max. Power	P _{max} (Wp)	484	488	492	496	500
Maximum operating voltage	V _{MPP} (V)	34.90	35.10	35.30	35.50	35.70
Maximum operating current	I _{MPP} (A)	13.87	13.90	13.94	13.97	14.00
Open-circuit voltage	V _{oc} (V)	42.20	42.40	42.60	42.80	43.00
Short-circuit current	I _{sc} (A)	14.60	14.66	14.70	14.74	14.79

*NMOT: Normal Module Operating Temperature (Irradiance 800 W/m², Ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

The specifications and characteristics contained in this datasheet may deviate slightly from our actual products due to the product developments and uncertainty of measurement devices. The specifications included in the datasheet are subject to change without prior notice.

HIGH ENERGY YIELD
RELIABILITY
DURABILITY

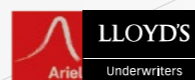
MONO-CRYSTALLINE PV MODULES
HALF CELLS • MONO-FACIAL

645W-665W
EG-132XL Series



IEC 61215
IEC 61730
Regular Production Surveillance
Type Tested and Monitored

IEC 62716 (Ammonia corrosion)
IEC 61701 (Salt mist corrosion)
IEC 60068 (Sand and dust)
IEC 62804 (PID resistance)



- 36 Full Cells**
- LID RESISTANT**
- PID RESISTANT**
- SALTY CORROSION RESISTANT**
- SAND RESISTANT**
- NH₃ AMMONIA RESISTANT**
- HIGHLY STABLE AND TOUGH**



Shingled

30 years
Performance Guarantee

15 years
Product Warranty

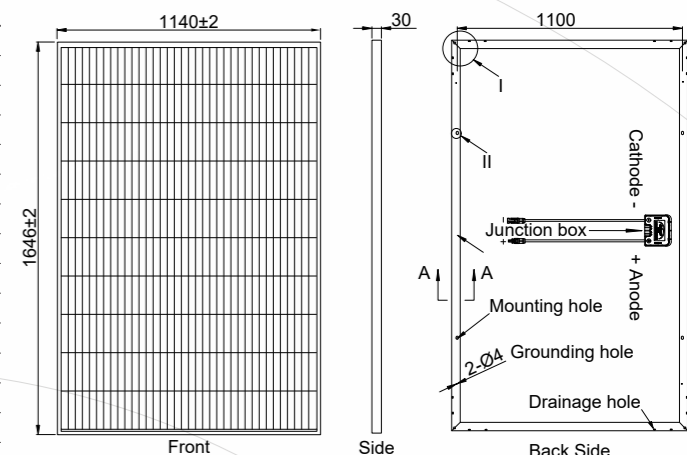
HIGH ENERGY YIELD
RELIABILITY
DURABILITY

MONO-CRYSTALLINE PV MODULES
FIFTH-CUT CELLS • MONO-FACIAL

390W-405W
EG-66S Series

Mechanical and design specification

Cell type	Gallium-doped Mono c-Si PERC, Fifth-cut, 158.75mm
No. of cells	36x10
Glass	3,2 mm, high transmission, AR coated, tempered
Encapsulation	EVA
Back cover	White Backsheet
Junction box	IP 68 rated
Frame	30 mm anodized Aluminium alloy
Cable	1 x 4 mm ² , 350 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	1646 mm x 1140 mm x 30 mm
Weight	19 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa/ 244 kg/ m ²
Mechanical load	5400 Pa/ 550 kg/ m ²

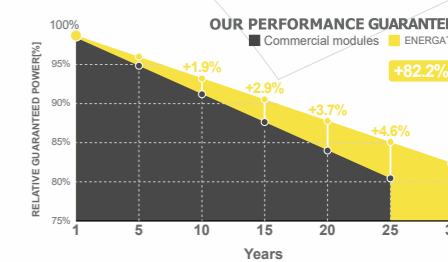
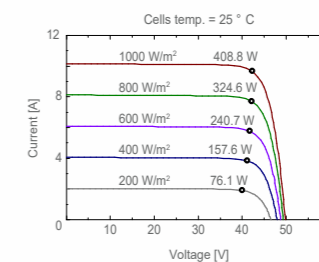


Packaging information

Packaging configuration	72 pcs / double pallet
Loading capacity	1008 pcs / 40 HQ
Size / Pallet	1685 mm x 1140 mm x 2490 mm
Weight	1468 kg / double pallets

Temperature ratings

Operating temperature	(°C)	-40 to +85
Temp.coefficient of P _{max}	(%/°C)	-0.34
Temp.coefficient of V _{oc}	(%/°C)	-0.27
Temp.coefficient of I _{sc}	(%/°C)	0.040
Nom. operating temp. NOCT	(°C)	42.3 ± 2



Electrical specifications (STC*):		EG-66S 390W	EG-66S 395W	EG-66S 400W	EG-66S 405W
Nominal Max. Power	P _{max} (Wp)	390	395	400	405
Maximum operating voltage	V _{MPP} (V)	40.80	40.90	41.00	41.10
Maximum operating current	I _{MPP} (A)	9.56	9.66	9.76	9.85
Open-circuit voltage	V _{oc} (V)	49.30	49.40	49.50	49.80
Short-circuit current	I _{sc} (A)	10.03	10.07	10.12	10.16
Module efficiency	η (%)	20.80	21.10	21.30	21.58
Power tolerance	(W)			0~+5	
Maximum system Voltage	(V)			1500	
Maximum series fuse rating	(A)			20	

Electrical specifications (NMOT*):		EG-66S 390W	EG-66S 395W	EG-66S 400W	EG-66S 405W
Nominal Max. Power	P _{max} (Wp)	294	297	301	307
Maximum operating voltage	V _{MPP} (V)	38.90	39.00	39.10	39.15
Maximum operating current	I _{MPP} (A)	7.55	7.63	7.71	7.88
Open-circuit voltage	V _{oc} (V)	47.00	47.10	47.20	47.31
Short-circuit current	I _{sc} (A)	8.08	8.11	8.15	8.17

*STC: Standard test conditions (Irradiance 1000 W/m², Cell temperature 25°C and air mass of AM1.5)

*NMOT: Normal Module Operating Temperature (Irradiance 800 W/m², Ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

The specifications and characteristics contained in this datasheet may deviate slightly from our actual products due to the product developments and uncertainty of measurement devices. The specifications included in the datasheet are subject to change without prior notice.

MONO-CRYSTALLINE PV MODULES

EG-66SS Series 385W-395W Full Black / 36 Full Cell



30
years
Performance
Guarantee

15
years
Product
Warranty

36
Full
Cells



HIGH ENERGY YIELD
RELIABILITY
DURABILITY

MONO-CRYSTALLINE PV MODULES
FIFTH-CUT CELLS • MONO-FACIAL

385W-395W
EG-66SS Series

Mechanical and design specification

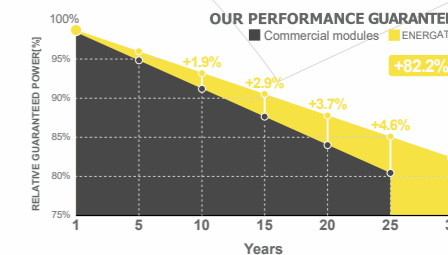
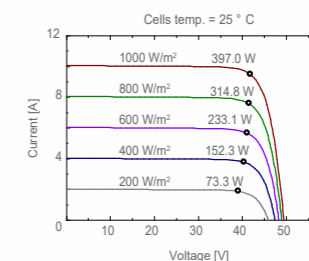
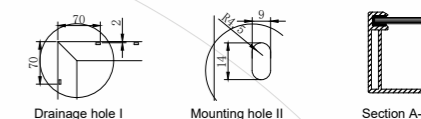
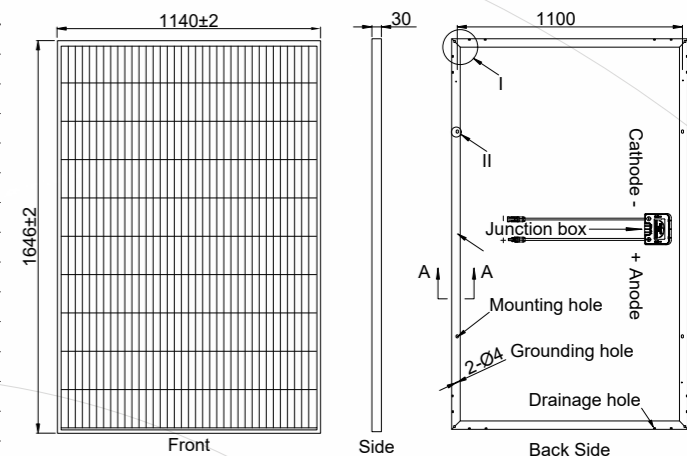
Cell type	Gallium-doped Mono c-Si PERC, Fifth-cut, 158.75mm
No. of cells	36x10
Glass	3,2 mm, high transmission, AR coated, tempered
Encapsulation	EVA
Back cover	Black Backsheet
Junction box	IP 68 rated
Frame	30 mm anodized Aluminium alloy
Cable	1 x 4 mm ² , 350 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	1646 mm x 1140 mm x 30 mm
Weight	19 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa/ 244 kg/ m ²
Mechanical load	5400 Pa/ 550 kg/ m ²

Packaging information

Packaging configuration	72 pcs / double pallet
Loading capacity	1008 pcs / 40 HQ
Size / Pallet	1685 mm x 1140 mm x 2490 mm
Weight	1468 kg / double pallets

Temperature ratings

Operating temperature	(°C)	-40 to +85
Temp.coefficient of P _{max}	(%/°C)	-0.34
Temp.coefficient of V _{oc}	(%/°C)	-0.27
Temp.coefficient of I _{sc}	(%/°C)	0.040
Nom. operating temp. NOCT	(°C)	42.3 ± 2



Electrical specifications (STC)*:		EG-66SS 385W	EG-66SS 390W	EG-66SS 395W
Nominal Max. Power	P _{max} (Wp)	385	390	395
Maximum operating voltage	V _{MPP} (V)	40.80	40.80	40.90
Maximum operating current	I _{MPP} (A)	9.44	9.56	9.66
Open-circuit voltage	V _{oc} (V)	49.30	49.30	49.40
Short-circuit current	I _{sc} (A)	9.98	10.03	10.07
Module efficiency	η (%)	20.50	20.80	21.10
Power tolerance	(W)		0~+5	
Maximum system Voltage	(V)		1500	
Maximum series fuse rating	(A)		20	

*STC: Standard test conditions (Irradiance 1000 W/m², Cell temperature 25°C and air mass of AM1.5)

Electrical specifications (NMOT)*:		EG-66SS 385W	EG-66SS 390W	EG-66SS 395W
Nominal Max. Power	P _{max} (Wp)	290	294	297
Maximum operating voltage	V _{MPP} (V)	38.90	38.90	39.00
Maximum operating current	I _{MPP} (A)	7.45	7.55	7.63
Open-circuit voltage	V _{oc} (V)	47.00	47.00	47.10
Short-circuit current	I _{sc} (A)	8.04	8.08	8.11

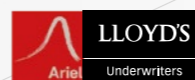
*NMOT: Normal Module Operating Temperature (Irradiance 800 W/m², Ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

The specifications and characteristics contained in this datasheet may deviate slightly from our actual products due to the product developments and uncertainty of measurement devices. The specifications included in the datasheet are subject to change without prior notice.



IEC 61215
IEC 61730
Regular Production Surveillance
Type Tested and Monitored

IEC 62716 (Ammonia corrosion)
IEC 61701 (Salt mist corrosion)
IEC 60068 (Sand and dust)
IEC 62804 (PID resistance)





 **ENERGATE**

The gate to the Energy!



Factory Address: Mimarsinan OSB 15 st. No:8 Melikgazi, Kayseri, Turkey
Tel: +90 352 352 00 04
Mail: info@energatesolar.com
Web: www.energatesolar.com

 *Ozgar Aslantas*
CREATIVE

