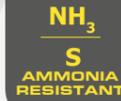


132  
Half  
Cells



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**

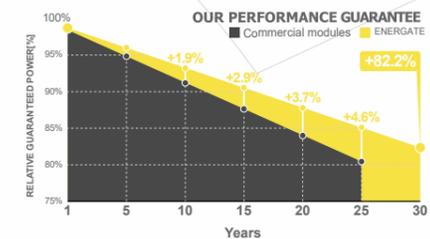
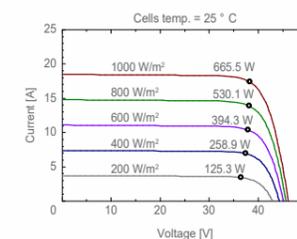
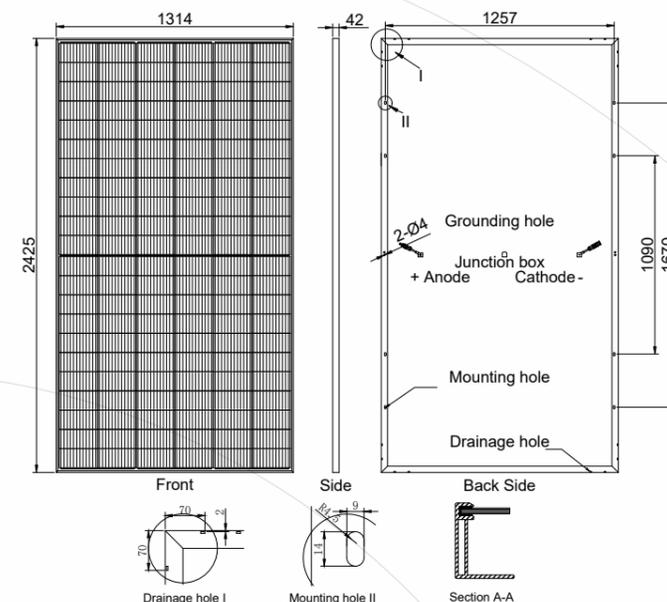
Cell type	Gallium-doped Mono c-Si PERC, Half-cut cells, 210 mm
No. of cells	132
Glass	3.2 mm, high transmission, AR coated, tempered
Encapsulation	EVA
Back cover	White backsheet
Junction box	IP 68 rated
Frame	42 mm anodized Aluminium alloy
Cable	1 x 4 mm <sup>2</sup> , 350 mm length or customized
Connectors	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 <sup>2</sup>
Mechanical load	5400 Pa/ 550 kg/ m <sup>2</sup>

**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 <sub>max</sub>	(%/°C)	-0.34
Temp.coefficient of V <sub>oc</sub>	(%/°C)	-0.25
Temp.coefficient of I <sub>sc</sub>	(%/°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 <sub>max</sub> (Wp)	645	650	655	660	665
Maximum operating voltage	V <sub>MPP</sub> (V)	37.20	37.40	37.60	37.80	38.00
Maximum operating current	I <sub>MPP</sub> (A)	17.34	17.38	17.42	17.46	17.50
Open-circuit voltage	V <sub>oc</sub> (V)	45.30	45.50	45.70	45.90	46.10
Short-circuit current	I <sub>sc</sub> (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/m<sup>2</sup>, 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 <sub>max</sub> (Wp)	484	488	492	496	500
Maximum operating voltage	V <sub>MPP</sub> (V)	34.90	35.10	35.30	35.50	35.70
Maximum operating current	I <sub>MPP</sub> (A)	13.87	13.90	13.94	13.97	14.00
Open-circuit voltage	V <sub>oc</sub> (V)	42.20	42.40	42.60	42.80	43.00
Short-circuit current	I <sub>sc</sub> (A)	14.60	14.66	14.70	14.74	14.79

\*NMOT: Normal Module Operating Temperature (Irradiance 800 W/m<sup>2</sup>, 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)

