

- 36 Full Cells**
- LID RESISTANT**
- PID RESISTANT**
- SALTY CORROSION RESISTANT**
- SAND RESISTANT**
- NH<sub>3</sub> AMMONIA RESISTANT**
- HIGHLY STABLE AND TOUGH**



**Shingled**

**30** years  
Performance Guarantee

**15** years  
Product Warranty

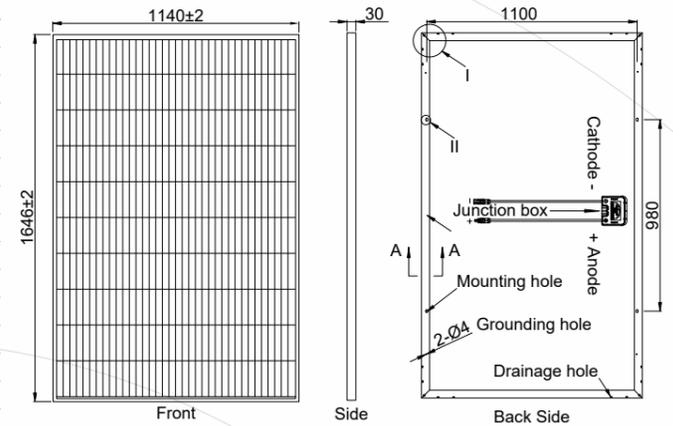
**HIGH** ENERGY YIELD  
RELIABILITY  
DURABILITY

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 <sup>2</sup> , 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 <sup>2</sup>
Mechanical load	5400 Pa/ 550 kg/ m <sup>2</sup>

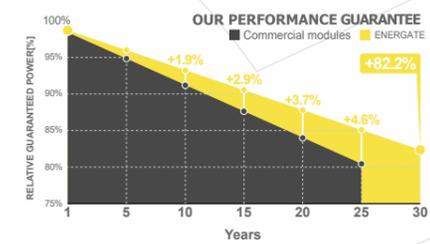
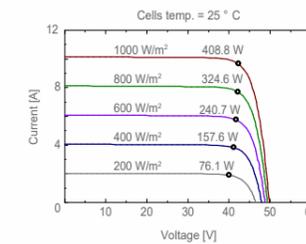


**Packaging information**

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 <sub>max</sub>	(%/°C)	-0.34
Temp.coefficient of V <sub>oc</sub>	(%/°C)	-0.27
Temp.coefficient of I <sub>sc</sub>	(%/°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 <sub>max</sub> (Wp)	390	395	400	405
Maximum operating voltage	V <sub>MPP</sub> (V)	40.80	40.90	41.00	41.10
Maximum operating current	I <sub>MPP</sub> (A)	9.56	9.66	9.76	9.85
Open-circuit voltage	V <sub>oc</sub> (V)	49.30	49.40	49.50	49.80
Short-circuit current	I <sub>sc</sub> (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 <sub>max</sub> (Wp)	294	297	301	307
Maximum operating voltage	V <sub>MPP</sub> (V)	38.90	39.00	39.10	39.15
Maximum operating current	I <sub>MPP</sub> (A)	7.55	7.63	7.71	7.88
Open-circuit voltage	V <sub>oc</sub> (V)	47.00	47.10	47.20	47.31
Short-circuit current	I <sub>sc</sub> (A)	8.08	8.11	8.15	8.17

\*STC: Standard test conditions (Irradiance 1000 W/m<sup>2</sup>, Cell temperature 25°C and air mass of AM1.5)

\*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.