

EG-HT120N-X 300W-340W

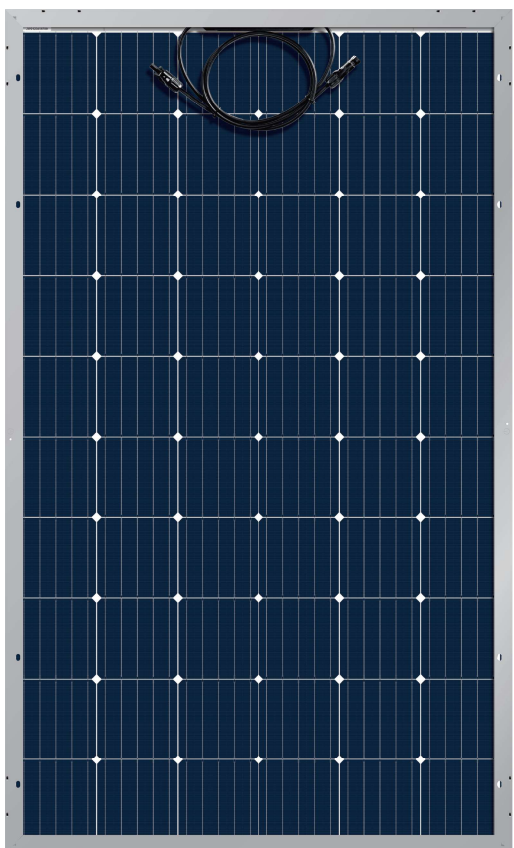
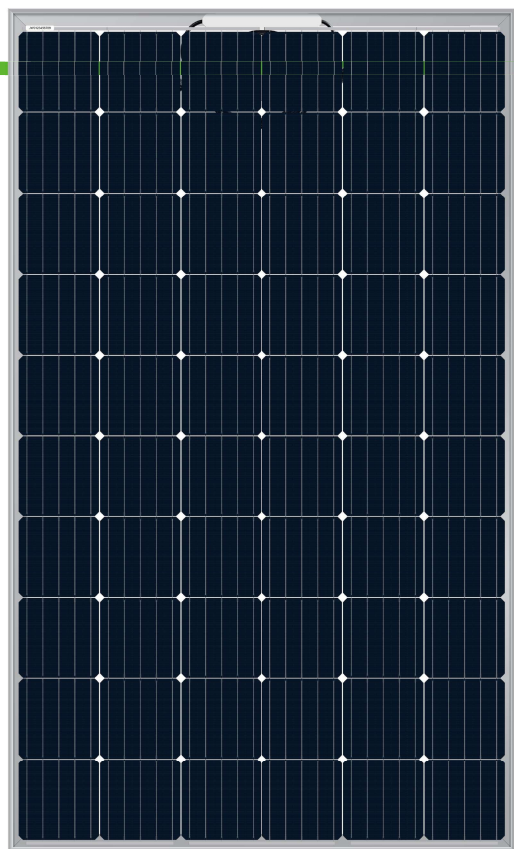
N type Bifacial Monocrystalline Solar modules

(Single glass + transparent backsheet + frame)



ENERGY GAP

～ 未来から今を見る ～



EG-HT120N-300 EG-HT120N-305 EG-HT120N-310
EG-HT120N-315 EG-HT120N-320 EG-HT120N-325
EG-HT120N-330 EG-HT120N-335 EG-HT120N-340

EG products Characteristics



Made in Japan

Manufacturing at our Izumi plant in Kagoshima Pref enables us to supply the Japan quality.



N type features

No initial light induced degradation(LID), Temperature coefficient, Enhanced power generation



Bifacial power generation

10% to 30% additional power generation by utilizing the reflected light in ambient environment of back panels.



High performance at low irradiation

Excellent power generation at low irradiation at dawn, dusk or cloudy day.



Environment adaptive

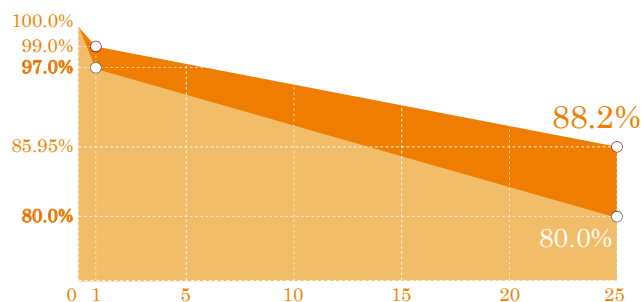
Adaptation to harsh environment has been confirmed. Wind pressure 2400Pa/ Snow load 5400pa



Quality control

In house test of more than 30 clauses(IEC standard) 4 times EL test(all modules)

EG linear guarantee



Standard module linear output guarantee

Energy gap's N Type Bifacial Monocrystalline Solar module linear output guaranty.

10 Years Products guarantee

25 Years Output guarantee

-1.00%

Output attenuation
in First year

-0.45%

Output attenuation
per year





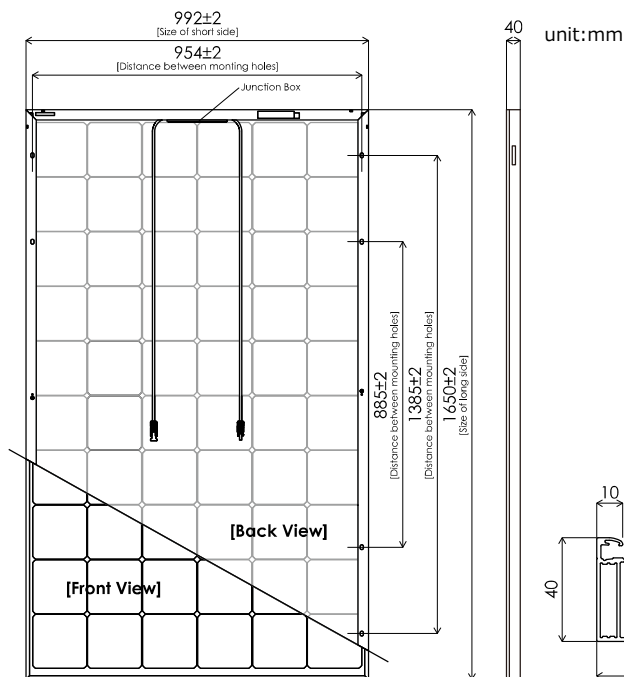
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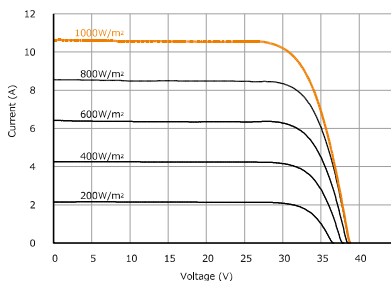
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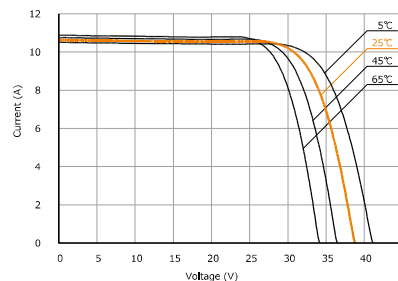
(Single glass + transparent backsheet + frame)



Dependence on irradiation I-V curve



Dependence on temperature I-V curve



Temperature Characteristics

Max power(Pmax) Temperature coefficient	-0.38%/°C
Open circuit voltage(Voc) Temperature coefficient	-0.3%/°C
Short circuit current (Isc) Temperature coefficient	+0.048%/°C
Warranted tolerance(NOCT)	43±2°C

Electrical Characteristics

Max power(Pmax)	300	305	310	315	320	325	330	335	340
Max power voltage(Vmp)	31.30	31.50	31.60	31.80	31.90	32.10	32.20	32.40	32.50
Max power current(Imp)	9.59	9.70	9.82	9.92	10.04	10.14	10.25	10.36	10.47
Open circuit voltage(Voc)	38.20	38.40	38.50	38.70	38.80	39.00	39.20	39.30	39.50
Short circuit current (Isc)	10.27	10.36	10.45	10.54	10.63	10.72	10.81	10.90	10.99
Module conversion efficiency (%)	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.4	20.7
Operating temperature(°C)	-40°C ~ +85°C								
Max system voltage(V)	1000V(IEC)								
Max fuse rating(A)	15								
Fire protection	class C								
Power tolerance	0 ~ +5Wp								

*Test conditions: irradiance 1000W/m² Cell temperature 25°C. AM1.5

Electrical Characteristic | NOCT *

Max power(Pmax)	221	225	228	232	236	239	243	247	250
Max power voltage(Vmp)	28.50	28.60	28.80	28.90	29.00	29.20	29.30	29.50	29.60
Max power current(Imp)	7.75	7.84	7.94	8.02	8.11	8.19	8.28	8.37	8.46
Open circuit voltage(Voc)	35.60	35.80	35.80	36.00	36.10	36.30	36.50	36.60	36.80
Short circuit current (Isc)	8.30	8.37	8.44	8.52	8.59	8.66	8.74	8.81	8.88

*Test conditions: irradiance 800W/m² Cell temperature 20°C. AM1.5 Wind speed 1m/s

Specifications

Cell standard	156.75mm*156.75mm
Cell quantity	60PCS (6*10)
Dimension	1650mm*992mm*40mm
Weight	18.2Kg
Front/back	3.2mm Tempered glass/ Transparent backsheet
Frame	Aluminum Frame
Terminal box	IP67 (Diiodo*3)
Cable	4.0mm²,900mm
Connector	MC4

Qty per container (40FHC)	728pc/container
Packing	26pc/pallet
Product guarantee	10 years
Linear performance guarantee	25 years

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*Note: Specifications are subject to change without notice.

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