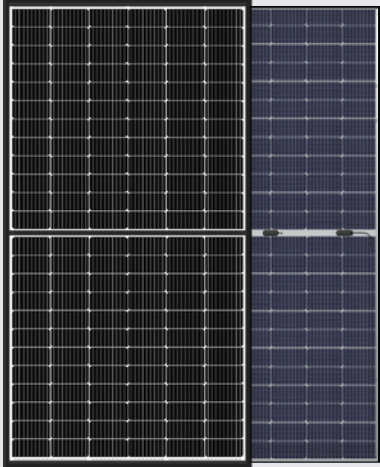
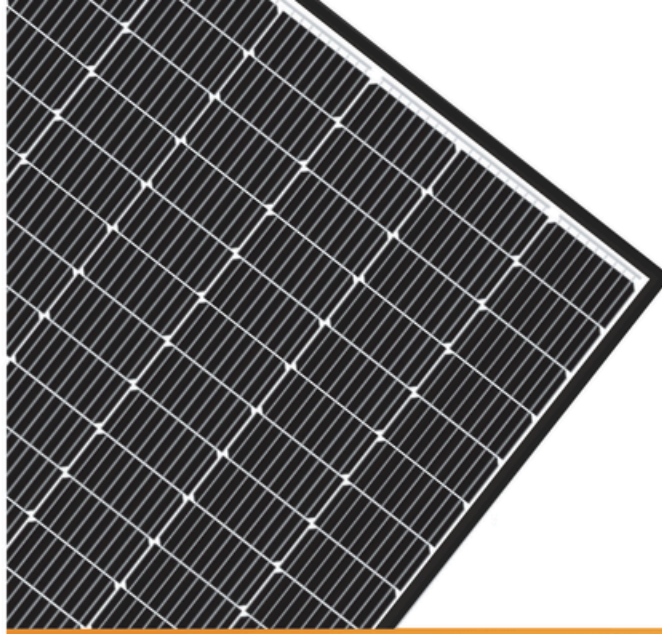




**BULLS CONTRACTOR**



**144 Cells**  
Mono Half-Cut Bifacial  
Double Glass Module

**555-590W**  
Power output

**22.84%**  
The Highest Efficiency

**±3%**  
Isc, Voc, Pmax Tolerance

## 555-590W Power output



### Fire class C

Consist of double-glass, with special design cells.  
Outstanding anti-PID performance.



### Elegant appearance & high performance

The bifacial module is of high light transmittance to ensure good performance, an advanced solution that enables more energy generation, light capturing and elegant appearance.



### 1500V system voltage

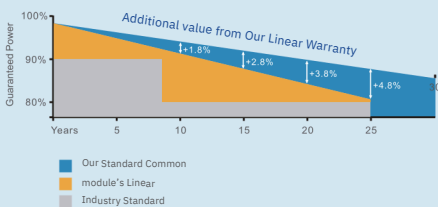
Maximum 1500V DC system voltage , excellent insulation performance and lower total system cost.



### Double-sided power generation, higher income

The dual-glass module has a double-sided ratio of up to 80% gain of 7%-25% on the back side.

## WARRANTIES



**12 years** Product warranty on materials and workmanship

**30 years** Linear power output warranty

**CERTIFICATES** IEC61215/61730



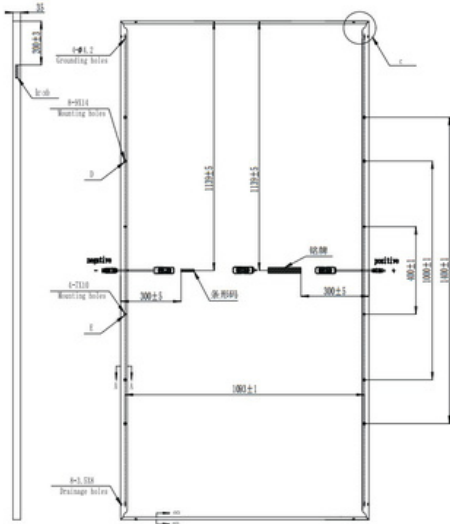
# 555-590W

## Power output



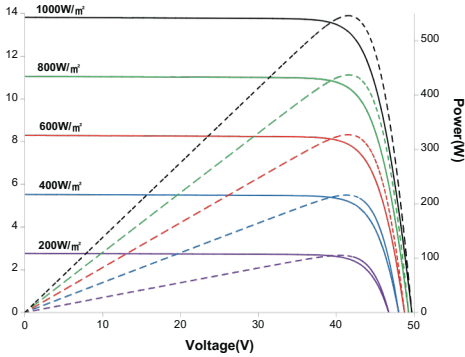
GLOBAL PROFESSIONAL PV PRODUCTS INTEGRATED SOLUTIONS SUPPLIER

### ASSEMBLY DRAWING (Unit:mm)

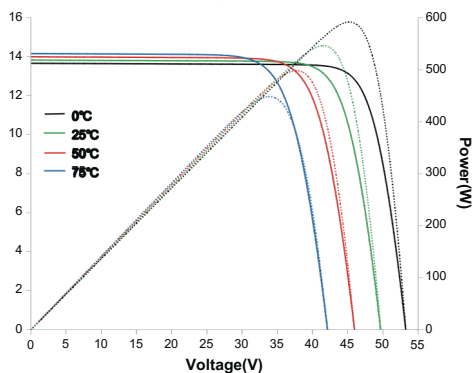


### I-V CURVES

Test temperature 25°C



Irradiance: AM1.5, 1000W/m²



### ELECTRICAL DATA(STC)

Photovoltaic module model	RSSEAI555M-DG	RSSEAI560M-DG	RSSEAI565M-DG	RSSEAI570M-DG	RSSEAI575M-DG	RSSEAI580M-DG	RSSEAI585M-DG	RSSEAI590M-DG
Rated Power in Watts-Pmax(Wp)	555	560	565	570	575	580	585	590
Open Circuit Voltage-Voc(V)	49.90	50.05	50.20	50.35	50.50	50.65	50.80	50.95
Short Circuit Current-Isc(A)	14.00	14.07	14.14	14.21	14.28	14.35	14.42	14.49
Maximum Power Voltage-Vmp(V)	41.97	42.12	42.26	42.42	42.57	42.72	42.87	43.01
Maximum Power Current-Imp(A)	13.23	13.30	13.37	13.44	13.51	13.58	13.65	13.72
Module Efficiency	21.48%	21.68%	21.87%	22.07%	22.26%	22.45%	22.65%	22.84%

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

### ELECTRICAL DATA(NOCT)

Maximum Power-Pmax(Wp)	420	424	428	432	436	440	444	448
Open Circuit Voltage-Voc(V)	46.69	46.84	46.98	47.11	47.24	47.37	47.49	47.61
Short Circuit Current-Isc(A)	11.20	11.24	11.28	11.32	11.36	11.40	11.44	11.48
Maximum Power Voltage-Vmp(V)	39.53	39.72	39.88	40.09	40.30	40.51	40.62	40.83
Maximum Power Current-Imp(A)	10.63	10.68	10.73	10.78	10.82	10.87	10.93	10.97

NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

### INTEGRATED POWER @STC(REFERENCE TO 10%)

Rated Power in Watts-Pmax(Wp)	610.5	616	621.5	627	632.5	638	643.5	649
Open Circuit Voltage-Voc(V)	54.89	55.06	55.22	55.39	55.55	55.72	55.88	56.05
Short Circuit Current-Isc(A)	15.40	15.48	15.55	15.63	15.71	15.79	15.86	15.94
Maximum Power Voltage-Vmp(V)	46.16	46.33	46.49	46.66	46.83	46.99	47.16	47.31
Maximum Power Current-Imp(A)	14.55	14.63	14.71	14.78	14.86	14.94	15.02	15.09
Module Efficiency	23.63%	23.85%	24.06%	24.27%	24.48%	24.70%	24.91%	25.12%

### MECHANICAL DATA

Solar cells	Mono-crystalline 182*91mm
Cell configuration	144cells(6*24)
Module dimensions	2278*1134*35mm
Weight	33.4kg
Frame	Anodised Aluminum
Front Cover	2.0+2.0mm Tempered Glass
J-BOX	IP68, 3 bypass diodes
Cable	4.0mm <sup>2</sup> , 300mm

### TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature(NOCT)	45°C±2°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmp	-0.30%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1000V(DC)/1500V(DL)
Max Series Fuse Rating	25A
Max. Wind Load / Snow Load	2400pa/5400pa
Fire Rating	Class C, Type 29

### PACKAGING CONFIGURATION

Container 40'HQ	620pcs
Quantity / Pallet	31pcs