

RAYSTECH

Sable 615-630w

High efficiency bifacial modules

TOPCon 182*199mm

• TOPCon MODULE ADVANTAGE



Multi-Busbar technology



Superior load capacity



High module efficiency



Excellent low-light performance



Lower annual attenuation
Longer warranty



Low BOS and LCOE



Reduce hot spot effect



Higher bifaciality

• QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

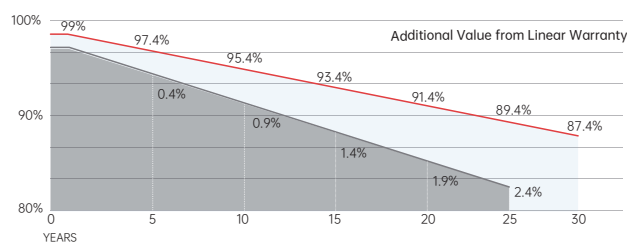
• PRODUCT CERTIFICATION



• INSURANCE

PICC

• WARRANTY



Guarantee on product material and workmanship



Linear power output warranty

CHANGZHOU RAYSTECH PV ENERGY CO.,LTD

Add: No. 12 Tongshun Road, Wujin District, Changzhou, China
Tel : +86-519-85260699 Email : info@raystechglobal.com

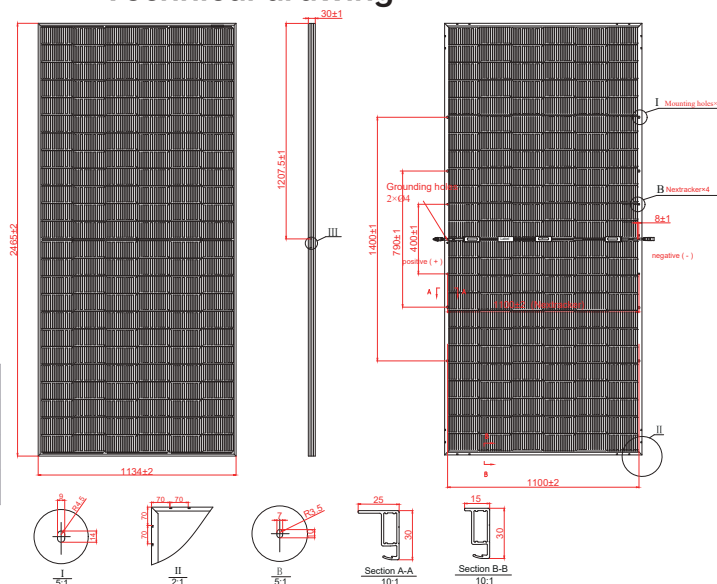
Mechanical Specifications

External Dimension	2465 x 1134 x 30 mm
Weight	34.6 kg
Solar Cells	TOPCon 182 x 99.5mm (144pcs)
Front / Back Glass	2.0mm AR coating semi-tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm ² , 250mm(+)/350mm(-) or Customized Length

Packing Configuration

Container	40'HQ	40'HQ
Pieces per Pallet	36	36
Pallets per Container	4	16
Pieces per Container	144	576

Technical drawing



Electrical Characteristics

Module Type	RT-615-BTA-BG			RT-620-BTA-BG			RT-625-BTA-BG			RT-630-BTA-BG		
	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC
Maximum Power P_{mp} (W)	615	461	492	620	465	496	625	469	500	630	473	504
Open Circuit Voltage V_{oc} (V)	51.88	49.29	51.86	52.08	49.48	52.06	52.28	49.67	52.26	52.48	49.86	52.46
Short Circuit Current I_{sc} (A)	15.02	12.02	12.02	15.07	12.06	12.06	15.12	12.10	12.10	15.17	12.14	12.14
Maximum Power Voltage V_{mp} (V)	43.32	40.60	43.30	43.52	40.79	43.50	43.72	40.97	43.70	43.92	41.16	43.90
Maximum Power Current I_{mp} (A)	14.20	11.36	11.36	14.25	11.40	11.40	14.30	11.44	11.44	14.35	11.48	11.48
Module Efficiency STC- η (%)	22.00			22.18			22.36			22.54		
Power Tolerance (W)	(0, +4.99)											
Pmax Temperature Coefficient	-0.29 %/°C											
Voc Temperature Coefficient	-0.25 %/°C											
Isc Temperature Coefficient	+0.046 %/°C											

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5
Power measurement tolerance: +/-3%

Rear Side Power Gain(RT-630-BTA-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power P_{mp} (W)	693	725	756	788	819
Open Circuit Voltage V_{oc} (V)	52.48	52.48	52.48	52.48	52.48
Short Circuit Current I_{sc} (A)	16.69	17.45	18.20	18.96	19.72
Maximum Power Voltage V_{mp} (V)	43.92	43.92	43.92	43.92	43.92
Maximum Power Current I_{mp} (A)	15.79	16.50	17.22	17.94	18.66

Application Conditions

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30 A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Bifaciality	80%±5%
Mechanical Load	Front side 5400 Pa / Back side 2400 Pa

I-V Curve

