

RAYSTECH

Sable 575-600w

High efficiency bifacial modules

TOPCon 182mm

• 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

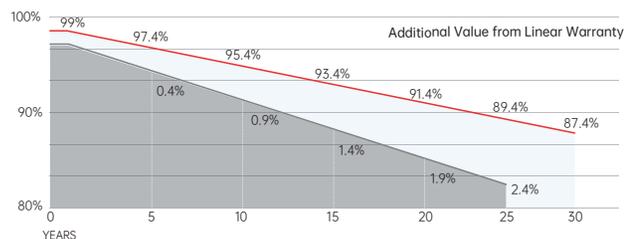
• PRODUCT CERTIFICATION



• INSURANCE

PICC

• WARRANTY



Guarantee on product material and workmanship



Linear power output warranty

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RAYSTECH

Mechanical Specifications

External Dimension	2278 x 1134 x 30 mm
Weight	32.0 kg
Solar Cells	182N-TOPCon (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	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	4	20
Pieces per Container	144	720

Electrical Characteristics

Module Type	RT-575-BTA-BG		RT-580-BTA-BG		RT-585-BTA-BG		RT-590-BTA-BG		RT-595-BTA-BG		RT-600-BTA-BG	
	Front STC	Front BNPI										
Maximum Power P_{mp} (W)	575	630	580	636	585	641	590	647	595	652	600	658
Open Circuit Voltage $-V_{oc}$ (V)	51.90	51.98	52.10	52.18	52.30	52.38	52.50	52.58	52.70	52.78	52.90	52.98
Short Circuit Current $-I_{sc}$ (A)	14.01	15.35	14.07	15.42	14.13	15.49	14.19	15.55	14.25	15.62	14.31	15.68
Maximum Power Voltage $-V_{mp}$ (V)	43.20	43.28	43.40	43.48	43.60	43.68	43.80	43.88	44.00	44.08	44.20	44.28
Maximum Power Current $-I_{mp}$ (A)	13.32	14.56	13.37	14.62	13.43	14.68	13.48	14.74	13.54	14.79	13.59	14.85
Module Efficiency STC η_m (%)	22.26		22.45		22.65		22.84		23.03		23.23	
Power Tolerance (W)	(0, +4.99)											

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5 Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-4%
 BNPI: front 1000 W/m² rear 135 W/m² Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-4%

Rear Side Power Gain(RT-585-BTA-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power $-P_{mp}$ (W)	644	673	702	731	761
Open Circuit Voltage $-V_{oc}$ (V)	52.30	52.30	52.30	52.30	52.30
Short Circuit Current $-I_{sc}$ (A)	15.54	16.25	16.96	17.66	18.37
Maximum Power Voltage $-V_{mp}$ (V)	43.60	43.60	43.60	43.60	43.60
Maximum Power Current $-I_{mp}$ (A)	14.77	15.44	16.12	16.79	17.46

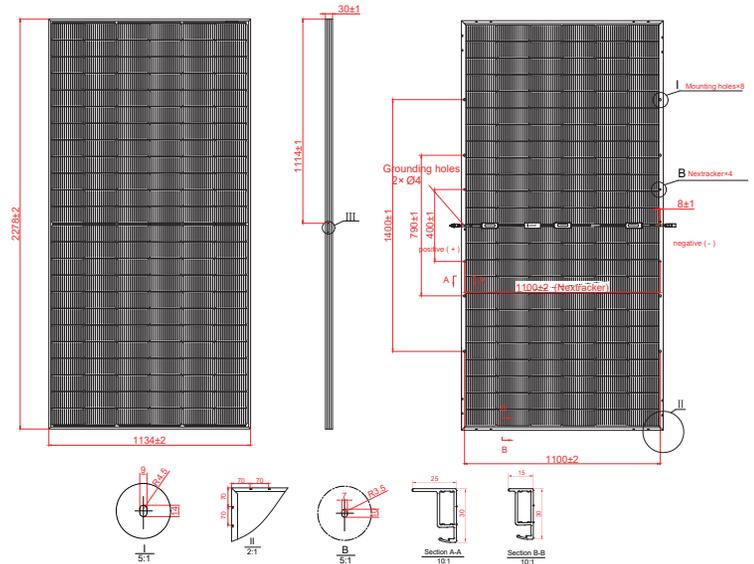
Temperature Ratings

Pmax Temperature Coefficient	-0.29 %/°C
Voc Temperature Coefficient	-0.25 %/°C
Isc Temperature Coefficient	+0.046 %/°C

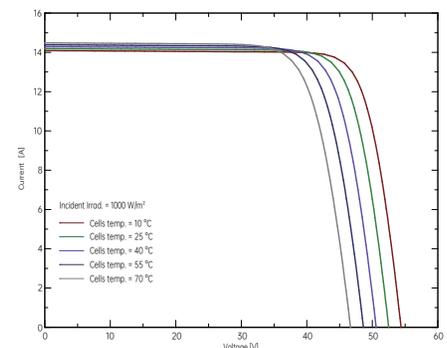
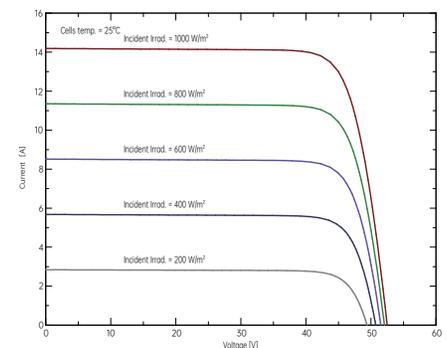
Application Conditions

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25 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

Technical drawing



I-V Curve



Specifications are subject to change without further notification RT-DS-EN-2024T0221 © Copyright 2024 RAYSTECH

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