









Sable 500-515w

High efficiency bifacial modules

TOPCon 210mm

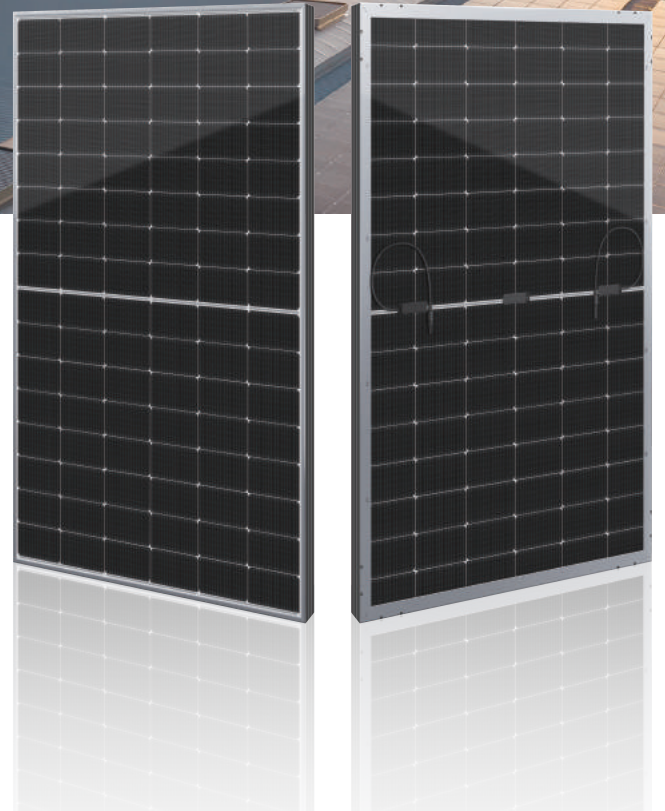
• TOPCon MODULE ADVANTAGE

-  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

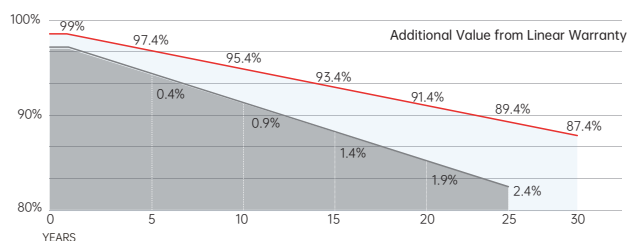
• PRODUCT CERTIFICATION



• INSURANCE

PICC

• WARRANTY



15 YEARS Guarantee on product material and workmanship

30 YEARS Linear power output warranty



Jiangsu Seraphim Solar System Co., Ltd.

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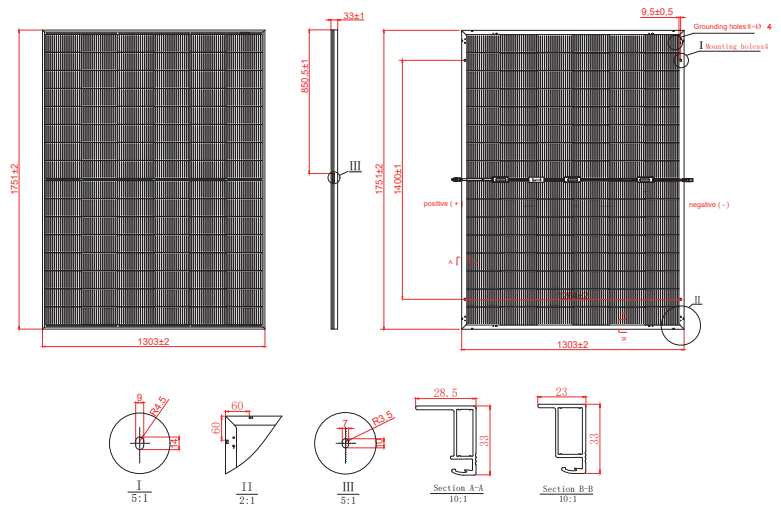
Mechanical Specifications

External Dimension	1751 x 1303 x 33 mm
Weight	28.0 kg
Solar Cells	TOPCon 210 x 105 mm (96pcs)
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
Connector	Genuine MC4 EVO2/Zerun Z4S-abcde/QC Solar QC4.10-cds
Fire Safety Class	Class A

Packing Configuration

Container	40'HQ
Pieces per Pallet	33
Pallets per Container	18
Pieces per Container	594

Technical drawing



Electrical Characteristics

Module Type	SRP-500-BTE-BG			SRP-505-BTE-BG			SRP-510-BTE-BG			SRP-515-BTE-BG		
	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC
Maximum Power -P _{mp} (W)	500	548	400	505	553	404	510	559	408	515	564	412
Open Circuit Voltage -V _{oc} (V)	34.87	34.95	34.85	35.07	35.15	35.05	35.27	35.35	35.25	35.47	35.55	35.45
Short Circuit Current -I _{sc} (A)	18.24	19.99	14.59	18.28	20.03	14.62	18.32	20.08	14.66	18.36	20.12	14.69
Maximum Power Voltage -V _{mp} (V)	29.08	29.16	29.06	29.28	29.36	29.26	29.48	29.56	29.46	29.68	29.76	29.66
Maximum Power Current -I _{mp} (A)	17.20	18.85	13.76	17.25	18.91	13.81	17.31	18.97	13.85	17.36	19.03	13.89
Module Efficiency STC-η _m (%)	21.91			22.13			22.35			22.57		
Power Measurement Tolerance							± 3%					
Power Sorting Tolerance (W)							-5W~+5W					
P _{max} Temperature Coefficient							-0.29 %/°C					
V _{oc} Temperature Coefficient							-0.25 %/°C					
I _{sc} Temperature Coefficient							+0.046 %/°C					

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%

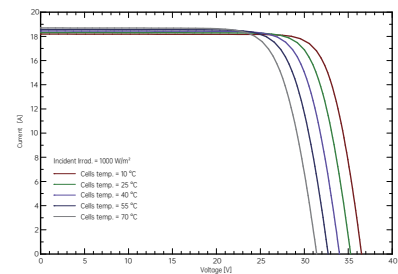
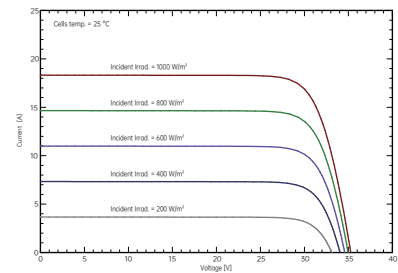
Rear Side Power Gain(SRP-510-BTE-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P _{mp} (W)	561	587	612	638	663
Open Circuit Voltage -V _{oc} (V)	35.27	35.27	35.27	35.27	35.27
Short Circuit Current -I _{sc} (A)	20.15	21.07	21.98	22.90	23.82
Maximum Power Voltage -V _{mp} (V)	29.48	29.48	29.48	29.48	29.48
Maximum Power Current -I _{mp} (A)	19.04	19.91	20.77	21.64	22.50

Application Conditions

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35 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



Specifications are subject to change without further notification SRP-DS-EN-2024T0830 © Copyright 2024 Seraphim



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