











# SL570-585W

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

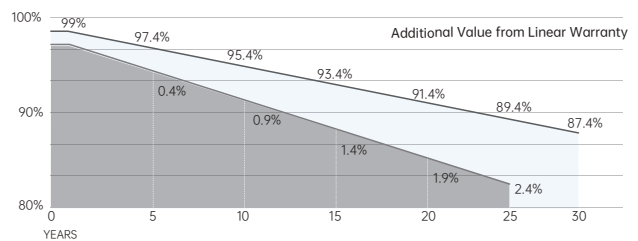
## • PRODUCT CERTIFICATION



## • INSURANCE



## • WARRANTY



Guarantee on product material and workmanship



Linear power output warranty

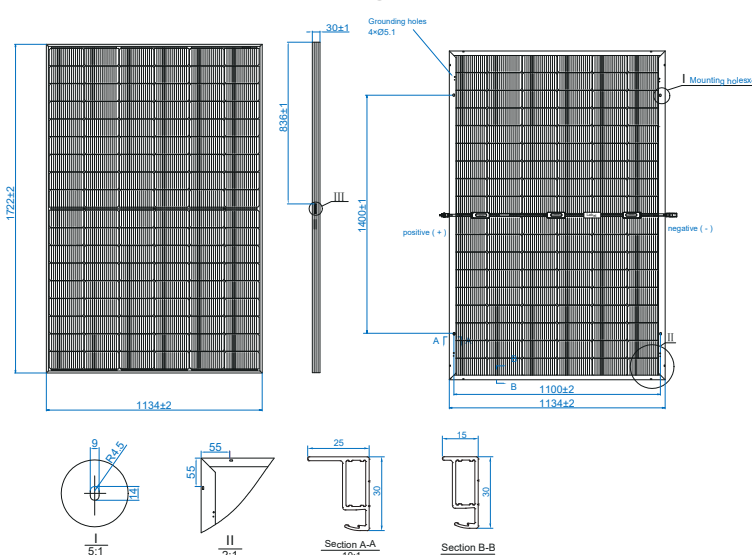
## Mechanical Specifications

External Dimension	1722 x 1134 x 30 mm
Weight	24.0 kg
Solar Cells	TOPCon 182 x 91mm (108pcs)
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 <sup>2</sup> , 250mm(+)/350mm(-) or Customized Length

## Packing Configuration

Container	20'HQ	40'HQ
Pieces per Pallet	36	36
Pallets per Container	6	26
Pieces per Container	216	936

## Technical drawing



## Electrical Characteristics

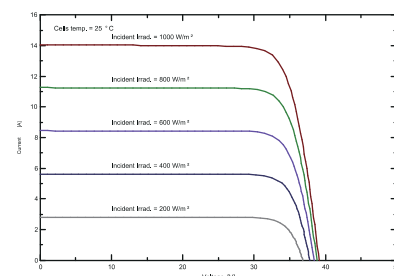
Module Type	SRP-425-BTD-BG			SRP-430-BTD-BG			SRP-435-BTD-BG			SRP-440-BTD-BG		
	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC
Maximum Power -P <sub>mp</sub> (W)	425	320	340	430	324	344	435	328	348	440	332	352
Open Circuit Voltage -V <sub>oc</sub> (V)	38.70	36.77	38.68	38.90	36.96	38.88	39.10	37.15	39.08	39.30	37.34	39.28
Short Circuit Current -I <sub>sc</sub> (A)	13.91	11.13	11.13	13.99	11.19	11.19	14.07	11.26	11.26	14.15	11.32	11.32
Maximum Power Voltage -V <sub>mp</sub> (V)	32.10	30.21	32.08	32.30	30.41	32.28	32.50	30.62	32.48	32.70	30.82	32.68
Maximum Power Current -I <sub>mp</sub> (A)	13.24	10.59	10.60	13.32	10.66	10.66	13.39	10.71	10.72	13.47	10.77	10.78
Module Efficiency STC-η <sub>m</sub> (%)	21.76			22.02			22.28			22.53		
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/m<sup>2</sup> module temperature 25°C AM=1.5  
Power measurement tolerance: +/-3%

## Rear Side Power Gain( SRP-440-BTD-BG )

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P <sub>mp</sub> (W)	484	506	528	550	572
Open Circuit Voltage -V <sub>oc</sub> (V)	39.30	39.30	39.30	39.30	39.30
Short Circuit Current -I <sub>sc</sub> (A)	15.57	16.27	16.98	17.69	18.40
Maximum Power Voltage -V <sub>mp</sub> (V)	32.70	32.70	32.70	32.70	32.70
Maximum Power Current -I <sub>mp</sub> (A)	14.82	15.49	16.16	16.84	17.51

## I-V Curve



## 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

