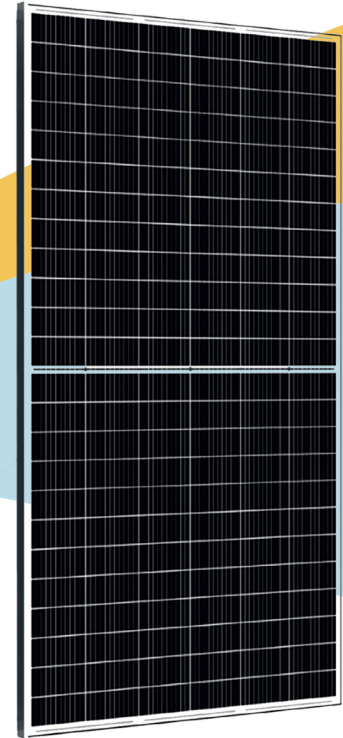


## Bifacial Monocrystalline PERC Module

EVVO PV Power photovoltaic (PV) modules set the industry benchmark for reliable energy production, optimized design and environmental performance. EVVO Modules are designed for High area efficiency



**SOLAR MODULES**  
**BIFACIAL MONO PERC 10BB**  
**535B-550B Wp**



## PRODUCT | KEY FEATURES

-  Anti-Reflective (AR) Coated Glass for Enhanced Power
-  Excellent Module Efficiency with Bifacial Power Gain
-  Positive Power Tolerance with Current Binning to Prevent Mismatch Losses
-  Pre and Post EL Checking With High Resolution Camera
-  IP68 Junction Box for Long Term Endurance
-  100% Hi-Pot Testing to Ensure Safety
-  MBB Half-Cell Technology provides Better Performance under Partial Shading

Comprehensive Products and System Certificates

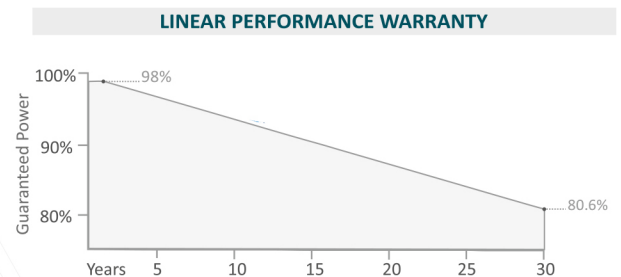


### High Reliability

Using tempered glass as back sheet, which brings higher reliability and better anti-corrosiveness to the module.

### Higher Generation

Excellent temperature coefficient giving higher yields in the long term



**MANUFACTURING UNIT:**  
**INDIA**

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Connect with:  
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**THINK SOLAR**  
**THINK 25 YEARS**  
**THINK EVVO**

ELECTRICAL PERFORMANCE [Note: Power tolerance: 0 ~ +4.99 W. Power measurement uncertainty: < ±3%. Average value of NOCT: 44.51 ± 2 °C]

ELECTRICAL CHARACTERISTICS*	EVVO 535B		EVVO 540B		EVVO 545B		EVVO 550B	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Nominal Maximum Power (Pmax)	535 W	396 W	540 W	400 W	545 W	403 W	550 W	407 W
Optimum Operating Voltage (Vmp)	41.72 V	38.42 V	41.86 V	38.54 V	42.01 V	38.68 V	42.14 V	38.80 V
Optimum Operating Current (Imp)	12.83 A	10.31 A	12.91 A	10.37 A	12.98 A	10.43 A	13.06 A	10.49 A
Open Circuit Voltage (Voc)	49.64 V	46.68 V	49.78 V	46.82 V	49.91 V	46.94 V	50.06 V	47.09 V
Short Circuit Current (Isc)	13.47 A	10.91 A	13.53 A	10.96 A	13.59 A	11.01 A	13.65 A	11.06 A
Module Efficiency	20.74 %		20.94 %		21.13 %		21.32 %	

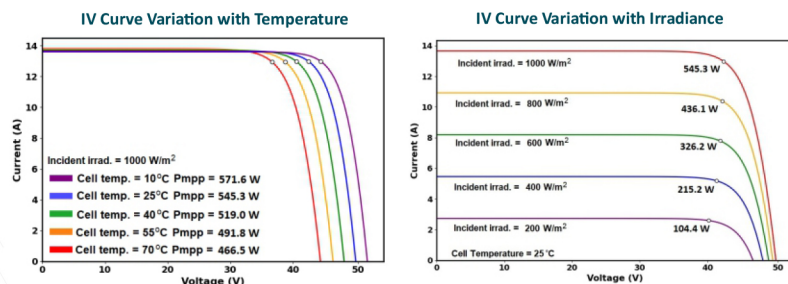
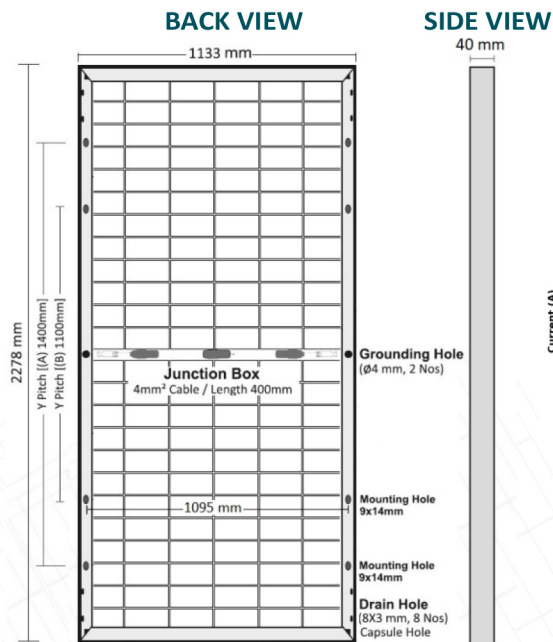
## BIFACIAL OUTPUT – BACKSIDE POWER GAIN @ STC\* [Bifaciality Factor: 75% ± 10%]

[Note: The bifacial gain depends on the power plant design and site conditions. Electrical component ratings should be selected as per actual Bifacial gain at site (module currents indicated below)]

		EVVO 535B	EVVO 540B	EVVO 545B	EVVO 550B
5%	Nominal Maximum Power (Pmax)	562 W	567 W	573 W	578 W
	Module Short Circuit Current / Efficiency	14.14 A / 21.78 %	14.21 A / 21.99 %	14.27 A / 22.18 %	14.33 A / 22.39 %
10%	Nominal Maximum Power (Pmax)	589 W	594 W	600 W	605 W
	Module Short Circuit Current / Efficiency	14.82 A / 22.82 %	14.88 A / 23.03 %	14.95 A / 23.24 %	15.02 A / 23.46 %
25%	Nominal Maximum Power (Pmax)	669 W	676 W	682 W	688 W
	Module Short Circuit Current / Efficiency	16.84 A / 25.93 %	16.91 A / 26.17 %	16.99 A / 26.41 %	17.06 A / 26.65 %

## Mechanical Specifications

Dimensions (L x W x T in mm)	2278 x 1133 x 40
Weight (kg)	28.6
Cell type / No Of Cell	144 Half-cut Mono PERC Bifacial Solar cells
Frame	Anodized Aluminum Alloy (6005, Temper T6, Silver colour)
Front Cover	ARC coated Low Iron Tempered Glass (3.2 mm thick)
Encapsulate	Ethylene Vinyl Acetate (EVA) - PID resistant and UV resistant
Back Cover	Corona treated PVDF Fluoro-polymer based transparent Backsheet
Junction Box	Split type (3 nos. with individual Bypass Diode) – Weatherproof (IP68)
Bypass Diode	40 A, 45 V, 200 °C max. junction temperature
Cable	4 sq. mm, 400 mm length (1200 mm available on request)
Connectors	MC4 compatible (MC4 original available on request)
Application Class Rating	Class A
Safety Class Rating	Class II
Mechanical Load Test (as per IEC & UL)	5400 Pa-Front; 2400 Pa-Back
Mounting Holes Pitch (Y)-mm	[A] 1400, [B] 1100
Mounting Holes Pitch (X)-mm	1095



IV Curves for Front-Side Illumination of 545 Wp Panel

\*All dimensions are in mm with +/- 2mm tolerance.

MAXIMUM OPERATING CONDITIONS	TEMPERATURE COEFFICIENTS	STACKING STANDARD		
		19FT	32FT	
Operating Temperature:	-40°C to +85°C	No. of Modules	192	486
Maximum System Voltage:	1500V	No of Pallets	8	18
Maximum Series Fuse Rating:	25A	Modules per Pallet / Weight	24 Nos/ 730 Kg	27 Nos/ 820 Kg
		Pallet dimensions	2320*1000*1275	2320*1130*1275

**Caution:** Please read safety and Installation Instructions before using the product. Warranty: Linear power warranty for 30 years, with degradation upto 2% in 1st year and 0.6% per year from 2 to year 30. Please read EVVO Warranty documents carefully. **Disclaimer:** Specifications included in the datasheet are subject to the change without prior notice owing to conditions innovation on the product development and R&D activities. EVVO reserves all the rights to make and adjustment to the information described here. Datasheet contained in this specification do not form a representative of a single module datasheet. @T&C Apply.