

TERRON

TOPCON SERIES

BIFACIAL DOUBLE GLASS

565~590Watt



French Design

- French owned company
- We apply premium quality standards required by the market



Tripple Re-inspection by Greenwire

Greenwire is a French independant quality control laboratory. They inspect each batch of solar panels three times : during production, after production and during loading. All the reports are available on demand



Safety First

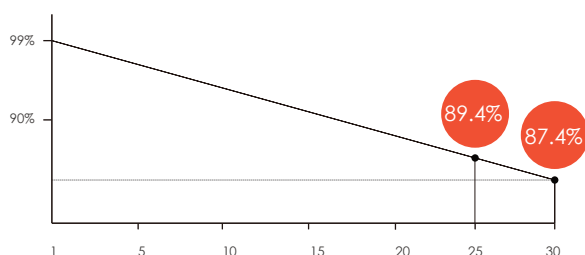
TUV, CE



High Power Generation

- MBB - Multi-BusBars technology for enhanced cell efficiency.
- Bifacial panels collect sunlight from both sides, boosting overall efficiency compared to Mono-facial

LINEAR PERFORMANCE WARRANTY



Maximum Power **590W**

Max. Efficiency **22.84%**

Power Output Tolerance **0~+3%**

TERRON TOPCON SERIES

BIFACIAL MODULE

Electrical Properties

Reference Number	SFPV-BF565-N		SFPV-BF570-N		SFPV-BF575-N		SFPV-BF580-N		SFPV-BF585-N		SFPV-BF590-N	
Testing Condition	STC*	NMOT*	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Peak Power(Pmax)(W)	565	428	570	432	575	436	580	440	585	444	590	448
MPP Voltage(Vmp)(V)	42.60	40.00	42.80	40.20	43.00	40.40	43.20	40.60	43.40	40.80	43.60	41.00
MPP Current(Imp)(A)	13.27	10.70	13.32	10.74	13.38	10.79	13.43	10.84	13.48	10.89	13.54	10.93
Open Circuit Voltage(Voc)(V)	50.88	48.60	51.08	48.70	51.28	48.90	51.48	49.10	51.68	49.30	51.88	49.50
Short Circuit Current(Isc)(A)	14.18	11.33	14.24	11.38	14.30	11.42	14.36	11.46	14.42	11.50	14.48	11.54
Module Efficiency(%)	21.87	22.07	22.26	22.45	22.65	22.84	22.84	22.84	22.84	22.84	22.84	22.84

*STC: Irradiance 1000 W/m², Cell Temperature 25°C, AM1.5

The data above is for reference only and the actual data is in accordance with the practical testing Power Measurement Tolerance ±3%

*NMOT: Irradiance 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s

Electrical Properties Under Different Rear Gain

Power Gain (%)	Peak Power (Pmax) (W)	MPP Voltage (Vmp) (V)	MPP Current (Imp) (A)	Open Circuit Voltage (Voc) (V)	Short Circuit Current (Isc) (A)
10	621	43.00	14.44	51.28	15.30
15	644	43.00	14.98	51.28	15.87
20	667	43.00	15.51	51.28	16.43
25	690	43.00	16.05	51.28	17.01
30	713	43.00	16.58	51.28	17.57

Operating Properties

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V (IEC)
Maximum Series Fuse Rating	30A
Bifaciality*	80%
Front Static Load	Snow load 5400Pa, Wind load 2400Pa

*Bifaciality=Pmaxrear (STC) /Pmaxfront (STC) , Bifaciality tolerance:±5%

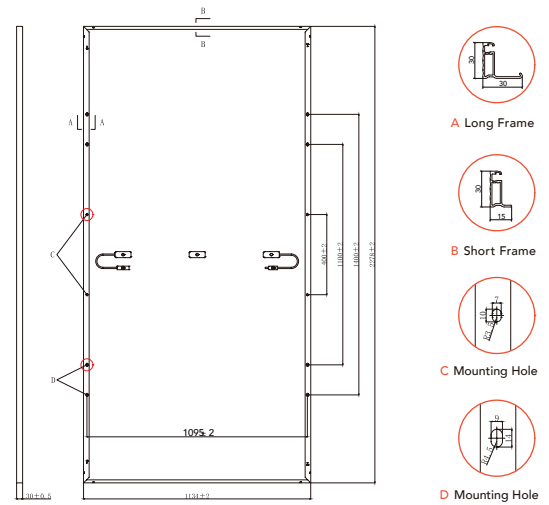
Temperature Coefficient

Temperature Coefficient of Pmax*	-0.300%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	+0.045%/°C
Nominal Operating Cell Temperature (NOCT)	42±2°C

*Temperature Coefficient of Pmax±0.03%/°C

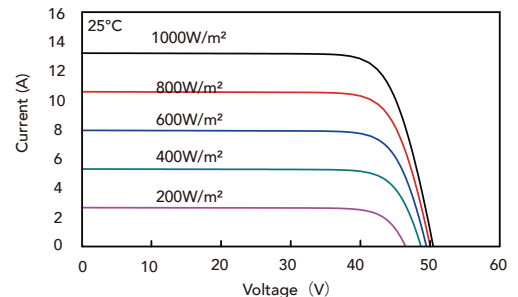
Specification

Number of Cells	144pcs
Module Dimension	2278mm*1134mm*30mm
Weight	31.5kg
Front/Rear Glass	2.0mm/2.0mm Heat strengthened glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 (3 diodes)
Cable Length	4.0mm², +300mm/-180mm (Cable length can be customized)
Packing Configuration	36pcs/Pallet, 720/40HQ Container

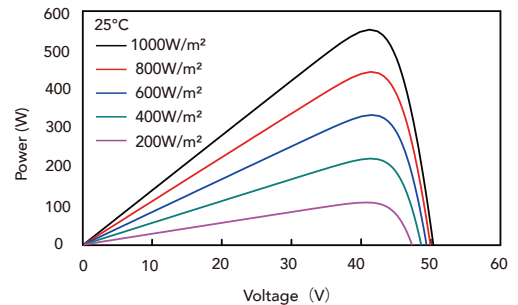


Engineering Drawing (unit:mm)

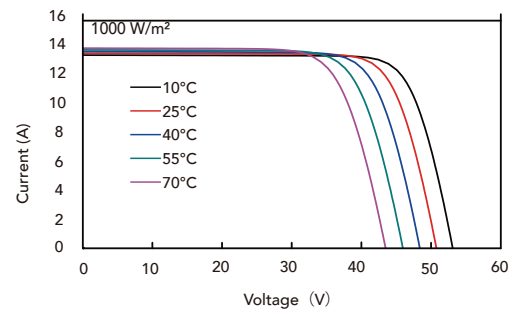
Characteristic Curves



I-V Characteristics At Different Irradiations



P-V Characteristics At Different Irradiations



I-V Characteristics At Different Temperatures

