

ELECTRICAL DATA (STC & NOCT)												
Testing Condition	STC		NOCT		STC		NOCT		STC		NOCT	
Peak Power Watts- P_{MPP} (Wp)*	560	424	565	428	570	431	575	436	580	439		
Power Selection (W)**					0 ~ +5							
Maximum Power Voltage- V_{MP} (V)	37.9	34.9	38.2	35.2	38.4	35.4	38.7	35.7	38.9	35.8		
Maximum Power Current- I_{MP} (A)	14.76	12.12	14.80	12.15	14.84	12.18	14.87	12.22	14.91	12.25		
Open Circuit Voltage- V_{OC} (V)	45.2	42.6	45.5	42.8	45.7	43.0	46.0	43.3	46.2	43.5		
Short Circuit Current- I_{SC} (A)	15.86	12.78	15.90	12.81	15.93	12.84	15.97	12.87	16.01	12.90		
Module Efficiency η_m (%)	20.7		20.9		21.1		21.3		21.5			
STC: Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass AM1.5, NOCT: Irradiance at 800W/m ² , Ambient Temperature 20°C, Wind Speed 1m/s. *Measuring tolerance: $\pm 3\%$. **Power selection up to: $\pm 3\%$												

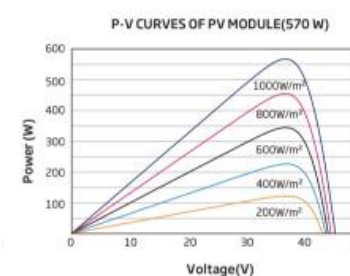
Electrical characteristics	Electrical characteristics with different power bin (reference to 5% & 10% backside power gain)											
	5%		10%		5%		10%		5%		10%	
Backside Power Gain	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
Peak Power Watts- $P_{HA\Delta}(Wp)$	588	616	593	622	599	627	604	633	609	638		
Maximum Power Voltage- $V_{HE}(V)$	37.9	37.9	38.2	38.2	38.4	38.4	38.7	38.7	38.9	38.9		
Maximum Power Current- $I_{HE}(A)$	15.50	16.24	15.54	16.28	15.58	16.32	15.61	16.36	15.66	16.40		
Open Circuit Voltage- $V_{OC}(V)$	45.2	45.2	45.5	45.5	45.7	45.7	46.0	46.0	46.2	46.2		
Short Circuit Current- $I_{SC}(A)$	16.65	17.45	16.70	16.70	16.73	16.73	16.77	16.77	16.81	16.81		

Power Bifaciality: $70 \pm 5\%$

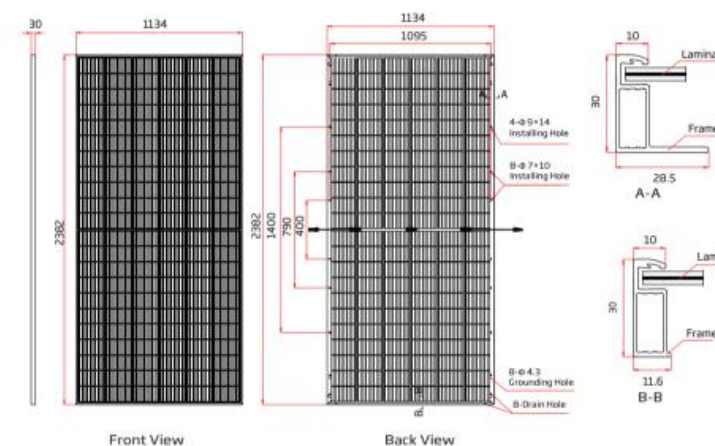
NOCT (Nominal Operating Cell Temperature)	43°C (±2°C)
Temperature Coefficient of P _{MAX}	-0.34%/°C
Temperature Coefficient of V _{oc}	-0.25%/°C
Temperature Coefficient of I _{sc}	0.04%/°C

Due to different testing methods, the actual performances might differ from the declared specifications.

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	35A



Solar Cells	Monocrystalline
No. of cells	132 cells
Module Dimensions	2362±1134*30 mm (93.78*44.65*1.18 inches)
Weight	33.0 kg (72.8lb)
Front Glass	2.0 mm (0.08 inches), AR Coating Heat Strengthened Glass
Back Glass	2.0 mm (0.08 inches), Heat Strengthened Glass (white Coating)
Frame	30mm(1.18 inches) Anodized Aluminium Alloy
J-Box	IP 6B rated
Cables	Photovoltaic Technology Cable 4.0mm² (0.09 inches) Portrait: 350/280 mm(13.78/11.02 inches) Length can be customized
Connector	MC4 EVO2 / TS4 Plus / TS4 *
PACKAGING CONFIGURATION	Modules per box: 36 pieces Modules per 40' container: 720pieces



CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
© 2024 Trina Solar Co., Ltd. All rights reserved. Specifications included in this datasheet are subject to change without notice.
The right of final interpretation belongs to Trina Solar Co., Ltd.
Version number: TSM_EN_2024_B

