



TUNGHSU

star series

M6 (166mm)

355W/360W/365W/370W/375W

120 CELL BIFACIAL MBB MONO PV MODULE

BIFACIAL DOUBLE GLASS



355-375W



High output power



Higher power generation



Highly reliable due to stringent quality control



Certified to withstand the most challenging environmental conditions

Tungshu components with high efficiency and high reliability

- * Advanced production equipment, highly automated process control, world-class production technology
 - * The company has a product research and development laboratory that meets the new ISO/IEC international standards
 - * Excellent weak light performance, resistant to salt spray and ammonia corrosion.
- Passing the certification test of the PV standards.
- * Certified by international quality management and environmental management system
 - * Application grade: A, Safe grade: II, Fireproofing grade: C

Comprehensive Products And System Certificates

IEC61215/IEC61730/UL1703/IEC61701/IEC62716

ISO 9001: Quality Management System

ISO 14001: Environmental Management System

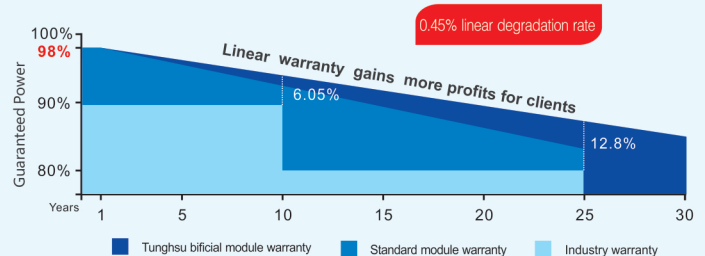
ISO 45001: Occupation Health and Safety Management System

GB/T 23001-2017: Management system with Integration of Information Technology and Industrialization

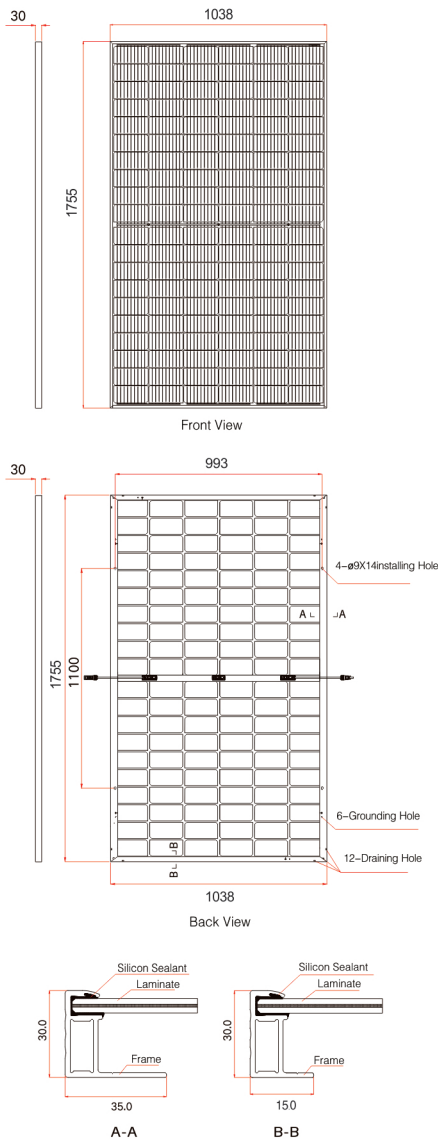


Industry-leading linear warranty

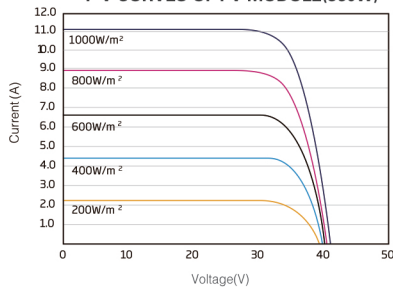
*15 Year Product Warranty *30 Year Linear Power Warranty



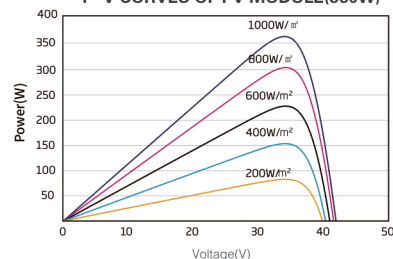
DIMENSIONS OF PV MODULE(mm)



I-V CURVES OF PV MODULE(360W)



P-V CURVES OF PV MODULE(360W)



ELECTRICAL DATA (STC)

Parameter	355	360	365	370	375
Peak Power Watts-P _{MAX} (Wp)	355	360	365	370	375
Power Output Tolerance-P _{MAX} (W)	0~ +5				
Maximum Power Voltage-V _{MPP} (V)	33.7	34.0	34.3	34.5	34.8
Maximum Power Current-I _{MPP} (A)	10.53	10.59	10.66	10.72	10.78
Open Circuit Voltage-V _{OC} (V)	40.4	40.8	41.1	41.4	41.8
Short Circuit Current-I _{SC} (A)	11.06	11.12	11.19	11.26	11.32
Module Efficiency η_m (%)	19.5	19.7	20.0	20.3	20.6

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

ELECTRICAL PARAMETERS AND DIFFERENT POWER GAIN BACK (360W)

Parameter	378	396	414	432	450
Maximum Power-P _{MAX} (Wp)	378	396	414	432	450
Maximum Power Voltage-V _{MPP} (V)	34.0	34.0	34.0	34.0	34.0
Maximum Power Current-I _{MPP} (A)	11.12	11.65	12.18	12.71	13.24
Open Circuit Voltage-V _{OC} (V)	40.9	41.0	41.1	41.2	41.3
Short Circuit Current-I _{SC} (A)	11.68	12.23	12.79	13.34	13.90
Power gain (%)	5%	10%	15%	20%	25%

ELECTRICAL DATA (NOCT)

Parameter	265	268	272	277	280	284
Maximum Power-P _{MAX} (Wp)	265	268	272	277	280	284
Maximum Power Voltage-V _{MPP} (V)	31.6	31.8	32.1	32.4	32.6	32.9
Maximum Power Current-I _{MPP} (A)	8.39	8.43	8.49	8.54	8.59	8.64
Open Circuit Voltage-V _{OC} (V)	37.9	38.2	38.6	38.8	39.1	39.5
Short Circuit Current-I _{SC} (A)	8.86	8.91	8.95	9.01	9.07	9.11

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	Monocrystalline(166 × 166mm)
Cell Orientation	120 cells (6 × 20)
Module Dimensions	1755×1038×30mm (69.09 × 40.87 × 1.18 inches)
Weight	25.0kg(66.98lb)
Front Glass	2.0mm (0.08inches), High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	EVA/POE
Rear Glass	2.0mm(0.08inches) heat strengthened glass (white grid)
Frame	30mm (1.18 inches) Anodized Aluminium Alloy
J-Box	Ip67 or IP 68 rated
Cables	4.0mm ² ; 350mm photovoltaic special cable, or customized
Connector	MC4, QC4

NOCT(Nominal Operating Cell Temperature)	41°C (± 3°C)
Temperature Coefficient of P _{MAX}	- 0.35%/°C
Temperature Coefficient of V _{OC}	- 0.25%/°C
Temperature Coefficient of I _{SC}	0.04%/°C

Operational Temperature	-40~ +85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	20A

(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

WARRANTY

15 year Product Workmanship Warranty
30 year Linear Power Warranty

PACKAGING CONFIGURATION

Modules per box: 35 pieces
Modules per 40' container:770 pieces

