

what we offer

**YOUR
 BEST
 PV
 SUPPLIER**

TL-M400M-72/5BB

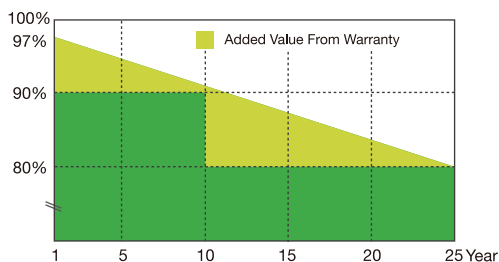
Monocrystalline 72 cells 380w-400w

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features



Monocrystalline modules designed for commercial and solar farm grid-tied applications



High power output and highest conversion efficiency



Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



Outstanding performance in low-light irradiance environments



Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)



High salt and ammonia resistance certified by TÜV SUD

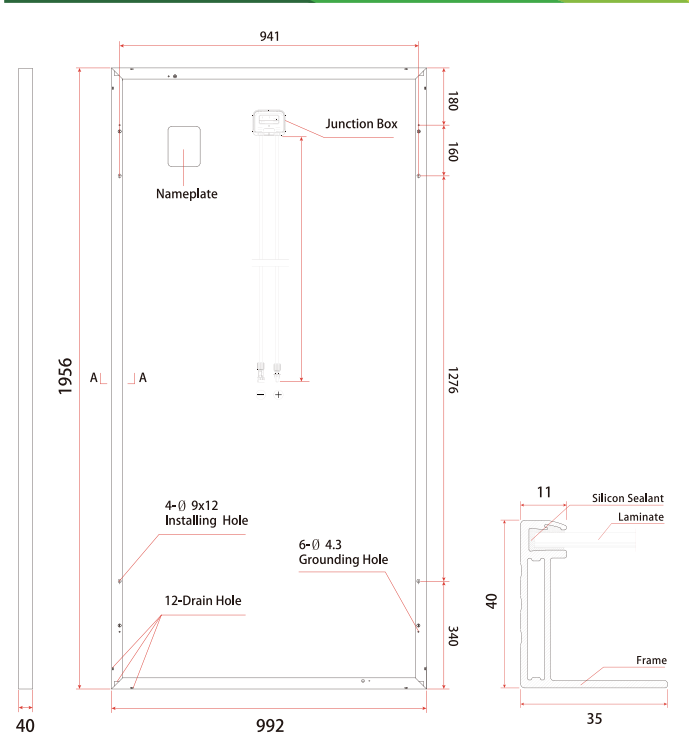
Mechanical Parameters

Cell (mm)	Mono156.75 x 156.75
Weight (kg)	21.5(approx)
Glass Thickness	4/3.2mm
Dimensions (LxWxH) (mm)	1956x992x40
Cable Cross Section Size (mm ²)	3.2
No. of Cells and Connections	72 (6x12)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	27 Per Pallet

Working Conditions

Maximum System Voltage	DC 1000V/1500V(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Engineering Drawings

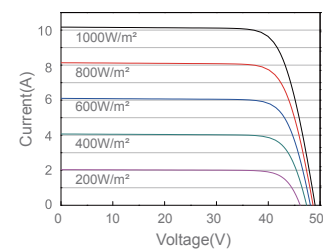


Electrical Parameters

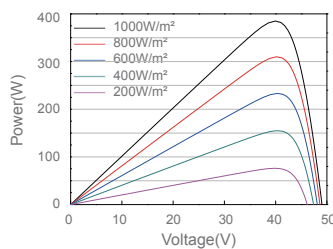
Module	BSM380M-72	BSM385M-72	BSM390M-72	BSM395M-72	BSM400M-72
Peak Power Watts-P _{MAX} (Wp)*	380	385	390	395	400
Maximum Power Voltage-V _{MPP} (V)	39.95	40.17	40.39	40.61	40.78
Maximum Power Current-I _{MPP} (A)	9.52	9.59	9.67	9.74	9.82
Open Circuit Voltage-V _{OC} (V)	48.67	48.89	49.11	49.33	49.55
Short Circuit Current-I _{SC} (A)	10.22	10.31	10.41	10.50	10.59
Module Efficiency η _m (%)	19.58	19.84	20.09	20.35	20.61
Power Tolerance (W)			-0~+5W		
Temperature Coefficient of I _{sc} (αI _{sc})			+0.059%/°C		
Temperature Coefficient of V _{oc} (βV _{oc})			-0.330%/°C		
Temperature Coefficient of P _{max} (γP _{mp})			-0.410%/°C		
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5				

I-V Curve

Current-Voltage Curve BSM385M-72



Power-Voltage Curve BSM385M-72



Current-Voltage Curve BSM385M-72

