

iNFINITY

N-type

Bifacial Module with Double Glass

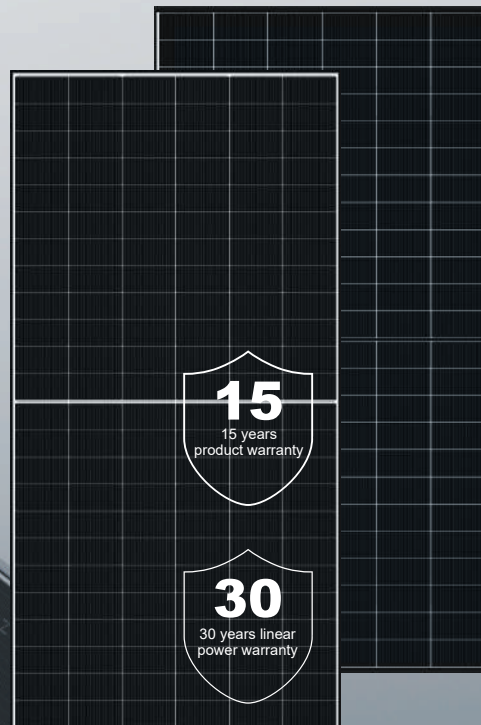
DMxxxM10T-B72HBW

/DMxxxM10T-B72HBT

580~600W

23.2%
Max. Efficiency

- **Leading manufacturing**
40+ years experience in high-tech manufacturing.
- **High environmental, social and governance responsibility (ESG)**
100% green production, transparent supply chain and excellent ESG rating in the solar industry.



Top Choice For Project Applications

Improved IRR with shorter amortisation times, reduced LCOE (Levelised Cost of Energy) and lower BOS (Balance of System) costs.



Extended Stress Tests

Protection against harsh environmental conditions certified by TÜV Rheinland.



Green Product

Focus on circular economy - low carbon footprint, PFAS-free and recyclable components.

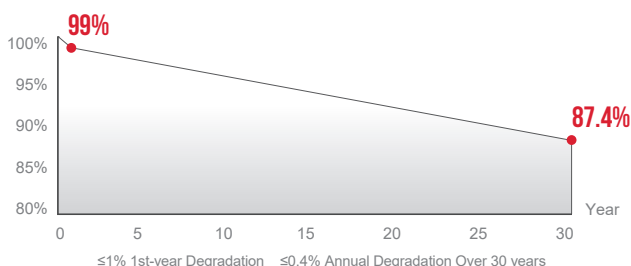
COMPANY MANAGEMENT SYSTEM

SA 8000: ILO Standards. Social responsibility standards
ISO 9001: Quality management system
ISO 14001: Environmental management system
ISO 45001: Occupational health and safety management system
ISO 50001: Energy management system
ISO 27001: Information security management system

PRODUCT CERTIFICATION

IEC 61215, IEC 61730

POWER WARRANTY



Warranty partner

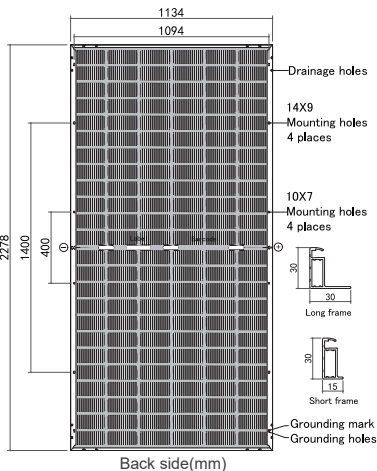


DMxxxM10T-B72HBW/DMxxxM10T-B72HBT



Module Specification

Cell Type	N type Mono-crystalline, 144(6×24)
Dimensions (mm)	2278×1134×30
Weight (kg)	31.8
Front Cover	2mm heat strengthened glass
Rear Cover	2mm heat strengthened glass
Junction Box	3 Diodes, IP68 according to IEC 62790
Cables	4mm ² /Portrait: 350mm (+)/250mm(-) Landscape: 1300mm(+)/1300mm(-) Length can be customized
Connector Type	Sunter: PV-ZH202B; Stäubli: PV-KST4-EVO2/xy_UR, PV-KBT4-EVO2/xy_UR, PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy



Electrical Specifications¹

Module Type	DM580M10T-B72HBW /DM580M10T-B72HBT		DM585M10T-B72HBW /DM585M10T-B72HBT		DM590M10T-B72HBW /DM590M10T-B72HBT		DM595M10T-B72HBW /DM595M10T-B72HBT		DM600M10T-B72HBW /DM600M10T-B72HBT	
Testing Condition	STC ²	BNPI ³	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power (Pmax/W)	580	641	585	647	590	652	595	658	600	663
Maximum Power Current (Imp/A)	13.24	14.61	13.30	14.67	13.36	14.74	13.42	14.81	13.47	14.86
Maximum Power Voltage (Vmp/V)	43.85	43.90	44.04	44.09	44.23	44.28	44.42	44.47	44.61	44.66
Short-circuit Current (Isc/A)	13.99	15.39	14.05	15.46	14.11	15.52	14.17	15.59	14.23	15.66
Open-circuit Voltage (Voc/V)	52.50	52.51	52.70	52.71	52.90	52.91	53.10	53.11	53.30	53.31
Module Efficiency STC (%)	22.5		22.6		22.8		23.0		23.2	

¹ Measurements according to IEC 60904-3, Measurement tolerance: Isc: ±4%, Voc: ±3%, Test uncertainty for Pmax: ±3%, Bifaciality: φPmax:80±5%; φVoc:100±3%; φIsc:80±5%

² STC (Standard Test Condition): Radiation 1000W/m², Module temperature 25°C, AM=1.5

³ BNPI: Front radiation 1000W/m², Rear radiation 135W/m², Module temperature 25°C, AM=1.5



BIFACIAL OUTPUT - REAR SIDE POWER GAIN

10 %	Pmax (STC)	638	644	649	655	660
20 %	Pmax (STC)	696	702	708	714	720
30 %	Pmax (STC)	754	761	767	774	780



Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42±2°C
Temperature Coefficient of Pmax (%/°C)	-0.29
Temperature Coefficient of Voc (%/°C)	-0.25
Temperature Coefficient of Isc (%/°C)	+0.048



Packaging

Container	40HQ
Pallet Dimensions (mm)	2320×1140×1250
Pieces per Pallet	36
Pieces per Container	720
Country of Manufacture	China

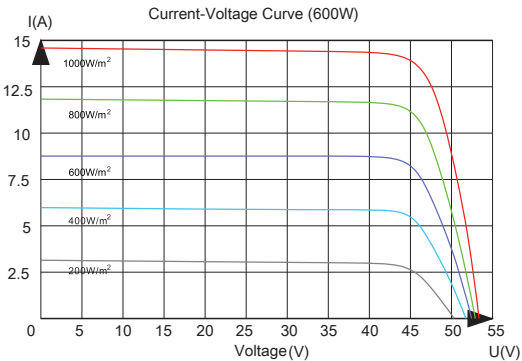


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Operating Conditions

Operating Temperature (°C)	-40 to +70
Maximum System Voltage (V)	1500 DC(IEC)
Overcurrent Protection Rating (A)	30
Power Output Sorting Tolerance (%)	0~3
Protection Class	Class II
Max. Test Load, Push/Pull (Pa)	Front 5400 / Back 3600
Max. Design Load, Push/Pull (Pa)	Front 3600 / Back 2400
Fire Rating Class	IEC Class C



Statement: The installation instructions and the warranty conditions must be followed. Due to technological progress, product parameters will be adjusted accordingly. When signing the contract, the latest data of the company shall prevail. All information in this data sheet corresponds to EN 50380. Changes and errors excepted. Document: EN DS-M10T-B72HBW/HBT-20241106.

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