

iNFINITY

N-type

Bifacial Module with Double Glass

DMxxxM10T-B78HSW

630~650W

23.3%
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.

15
15 years
product warranty

30
30 years linear
power warranty



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

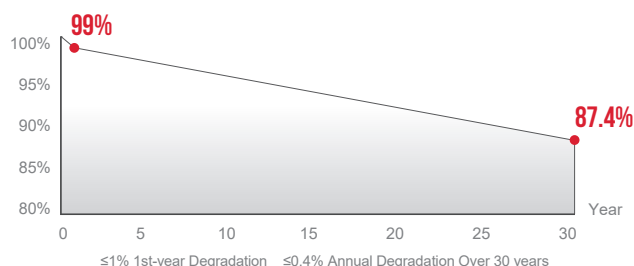
Protection against harsh environmental conditions certified by TÜV Rheinland.



Green Product

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

POWER WARRANTY



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
Extended-Stress (IEC TS 63209)
Ammonia Corrosion (IEC 62716)
Salt Mist Corrosion (IEC 61701)
LeTID (IEC TS 63342)
Dust & Sand (IEC 60068)



Warranty partner

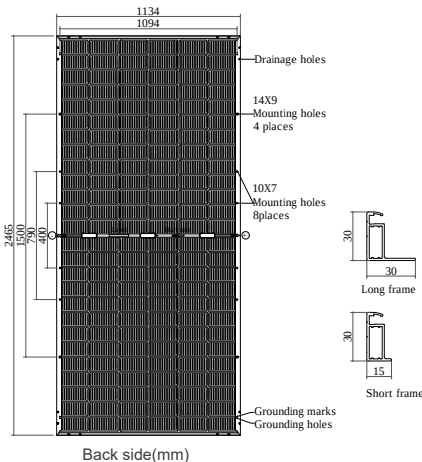


DMxxxM10T-B78HSW



Module Specification

Cell Type	N type Mono-crystalline, 156(6×26)
Dimensions (mm)	2465×1134×30
Weight (kg)	33.5
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: 1400mm(+)/1400mm(-) Length can be customized
Connector Type	PV-ZH202B or MC4-EVO 2A(1500V)



Electrical Specifications¹

Module Type	DM630M10T-B78HSW		DM635M10T-B78HSW		DM640M10T-B78HSW		DM645M10T-B78HSW		DM650M10T-B78HSW	
Testing Condition	STC ²	NMOT ³	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	630	474	635	478	640	482	645	485	650	489
Maximum Power Current (Imp/A)	13.29	10.68	13.34	10.72	13.39	10.76	13.44	10.80	13.49	10.84
Maximum Power Voltage (Vmp/V)	47.48	44.40	47.67	44.58	47.86	44.75	48.05	44.93	48.24	45.11
Short-circuit Current (Isc/A)	14.04	11.38	14.09	11.42	14.14	11.46	14.19	11.50	14.24	11.54
Open-circuit Voltage (Voc/V)	57.30	53.95	57.50	54.14	57.70	54.33	57.90	54.52	58.10	54.71
Module Efficiency STC (%)	22.5		22.7		22.9		23.1		23.3	

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

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

³ NMOT: Radiation 800W/m², Ambient temperature 20°C, AM=1.5, Wind Speed 1m/s



Electrical Specifications¹(BNPI²)

Nameplate Power (W)	630	635	640	645	650
Maximum Power (Pmax/W)	696	702	707	713	717
Maximum Power Current (Imp/A)	14.67	14.72	14.78	14.83	14.87
Maximum Power Voltage (Vmp/V)	47.54	47.73	47.92	48.11	48.19
Short-circuit Current (Isc/A)	15.45	15.51	15.56	15.62	15.64
Open-circuit Voltage (Voc/V)	57.31	57.51	57.71	57.91	58.06

¹ Measurements according to IEC 60904-3, Measurement tolerance: Isc: ±4%, Voc: ±3%, Test uncertainty for Pmax: ±3%

² BNPI: Front radiation 1000W/m², Rear radiation 135W/m², Module temperature 25°C, AM=1.5



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



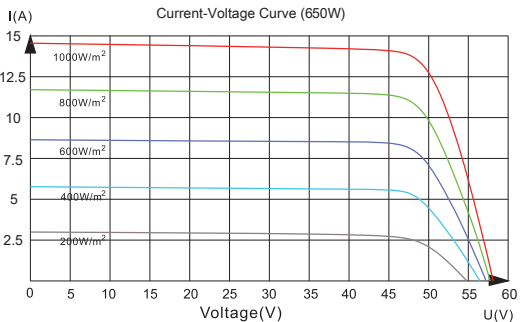
Packaging

Container	40HQ
Pallet Dimensions (mm)	2515×1140×1250
Pieces per Pallet	36
Pieces per Container	576



Operating Conditions

Operating Temperature (°C)	-40 to +85
Maximum System Voltage (V)	1500 DC (IEC)
Overcurrent Protection Rating (A)	30
Power Output Tolerance (%)	0~3
Protection Class	Class II
Max. Test Load, Push/Pull (Pa)	Front 5400 / Back 2400
Max. Design Load, Push/Pull (Pa)	Front 3600 / Back 1600



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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-B78HSW-20250417.
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