

iNFINITY

N-type

Bifacial Module with Double Glass

DMxxxM10T-B78HBW

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.

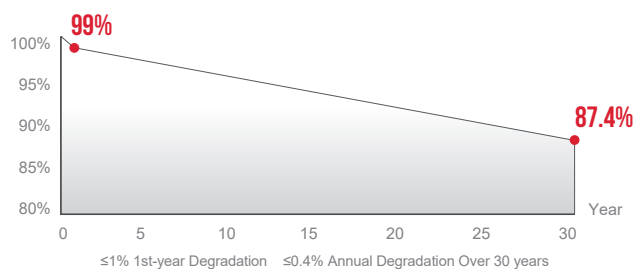
COMPANY MANAGEMENT SYSTEM

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

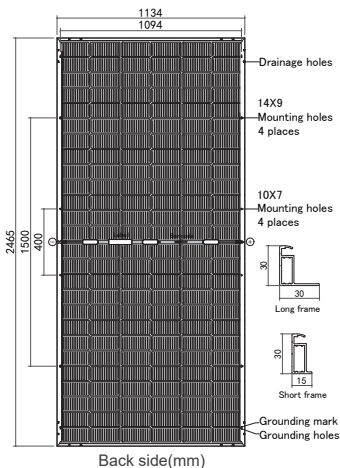


DMxxxM10T-B78HBW



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	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	DM630M10T-B78HBW		DM635M10T-B78HBW		DM640M10T-B78HBW		DM645M10T-B78HBW		DM650M10T-B78HBW	
Testing Condition	STC ²	BNPI ³	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power (Pmax/W)	630	696	635	702	640	707	645	713	650	717
Maximum Power Current (Imp/A)	13.29	14.67	13.34	14.72	13.39	14.78	13.44	14.83	13.49	14.87
Maximum Power Voltage (Vmp/V)	47.48	47.54	47.67	47.73	47.86	47.92	48.05	48.11	48.24	48.19
Short-circuit Current (Isc/A)	14.04	15.45	14.09	15.51	14.14	15.56	14.19	15.62	14.24	15.64
Open-circuit Voltage (Voc/V)	57.30	57.31	57.50	57.51	57.70	57.71	57.90	57.91	58.10	58.06
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: 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)	693	699	704	710	715
20 %	Pmax (STC)	756	762	768	774	780
30 %	Pmax (STC)	819	826	832	839	845



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
Country of Manufacture	China



Hengdian Group DMEGC Magnetics Co.,Ltd.
Add: Hengdian Industrial Zone, Dongyang City Zhejiang Province, China 322118
Tel: +61 0498353593 E-mail: xin.wang@dmevc.com.cn Website: www.dmevc.com



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

