

INFINITY RT

N-type

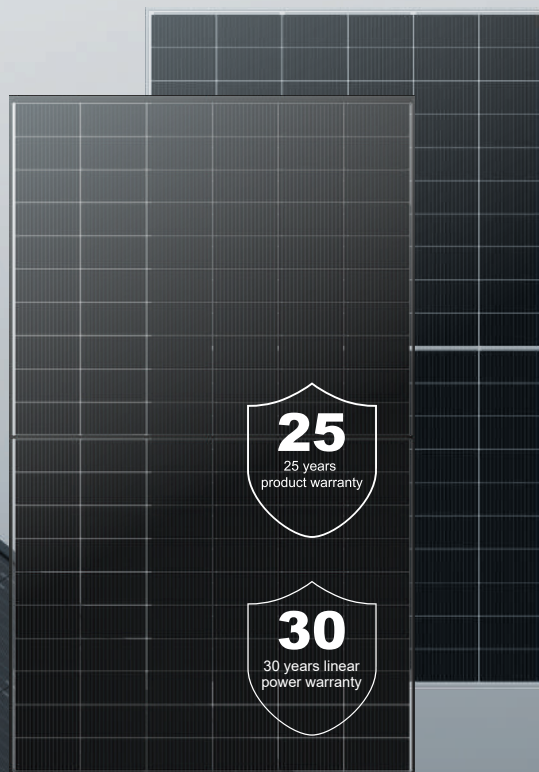
Bifacial Module with Double Glass

DMxxxM10RT-B60HBT/HST

490~510W

23.1%
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.



Outstanding Aesthetics

Designed with aesthetics in mind and manufactured using DMEGC Advanced Black Technology.



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.

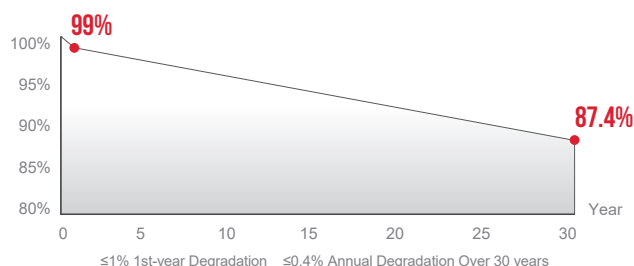
COMPANY MANAGEMENT SYSTEM

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

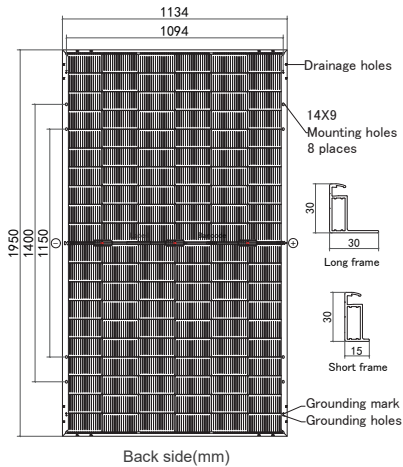


DMxxxM10RT-B60HBT/HST



Module Specification

Cell Type	N type Mono-crystalline , 120 (6×20)
Dimensions (mm)	1950×1134×30
Weight (kg)	26.8
Front Cover	2 mm heat strengthened glass
Rear Cover	2 mm 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	DM490M10RT-B60HBT/HST-U ⁴ DM490M10RT-B60HBT/HST		DM495M10RT-B60HBT/HST-U DM495M10RT-B60HBT/HST		DM500M10RT-B60HBT/HST-U DM500M10RT-B60HBT/HST		DM505M10RT-B60HBT/HST-U DM505M10RT-B60HBT/HST		DM510M10RT-B60HBT/HST-U DM510M10RT-B60HBT/HST	
Testing Condition	STC ²	BNPI ³	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power (Pmax/W)	490	542	495	547	500	553	505	558	510	564
Maximum Power Current (Imp/A)	13.16	14.52	13.23	14.60	13.30	14.68	13.36	14.74	13.42	14.81
Maximum Power Voltage (Vmp/V)	37.26	37.30	37.46	37.50	37.66	37.71	37.86	37.91	38.06	38.11
Short-circuit Current (Isc/A)	14.08	15.49	14.15	15.57	14.22	15.64	14.28	15.71	14.34	15.78
Open-circuit Voltage (Voc/V)	44.30	44.31	44.50	44.51	44.70	44.71	44.90	44.91	45.10	45.11
Module Efficiency STC (%)	22.2		22.4		22.6		22.8		23.1	

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 1000 W/m², Module temperature 25 °C , AM = 1.5

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

⁴ "U" represents the double glass module type applied to a maximum system voltage of 1000V DC



BIFACIAL OUTPUT - REAR SIDE POWER GAIN

10 %	Pmax (STC)	539	545	550	556	561
20 %	Pmax (STC)	588	594	600	606	612
30 %	Pmax (STC)	637	644	650	657	663



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)	2000×1140×1250
Pieces per Pallet	36
Pieces per Container	864
Country of Manufacture	China



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Operating Conditions

Operating Temperature (°C)	-40 to +70
Maximum System Voltage (V)	1000/1500 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

