

iNFINITY RT

N-type

Bifacial Module with Double Glass

DMxxxM10RT-B60HBB

495~515W

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.

25
25 years
product warranty

30
30 years linear
power warranty



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.

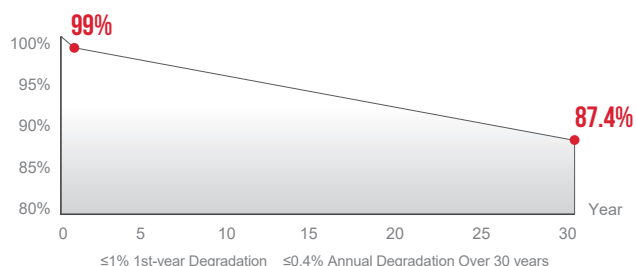
COMPANY MANAGEMENT SYSTEM

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



SolarPower
Europe



Warranty partner

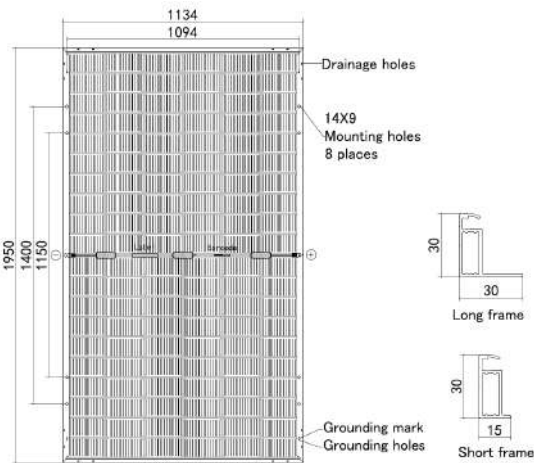
Munich RE

DMxxxM10RT-B60HBB



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	DM495M10RT-B60HBB-U ⁴ DM495M10RT-B60HBB		DM500M10RT-B60HBB-U DM500M10RT-B60HBB		DM505M10RT-B60HBB-U DM505M10RT-B60HBB		DM510M10RT-B60HBB-U DM510M10RT-B60HBB		DM515M10RT-B60HBB-U DM515M10RT-B60HBB	
	STC ²	BNPI ³	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Testing Condition										
Maximum Power (P _{max} /W)	495	547	500	553	505	558	510	564	515	568
Maximum Power Current (I _{mp} /A)	13.23	14.60	13.30	14.68	13.36	14.74	13.42	14.81	13.48	14.86
Maximum Power Voltage (V _{mp} /V)	37.46	37.50	37.66	37.71	37.86	37.91	38.06	38.11	38.26	38.26
Short-circuit Current (I _{sc} /A)	14.15	15.57	14.22	15.64	14.28	15.71	14.34	15.78	14.40	15.84
Open-circuit Voltage (V _{oc} /V)	44.50	44.51	44.70	44.71	44.90	44.91	45.10	45.11	45.30	45.31
Module Efficiency STC (%)	22.4		22.6		22.8		23.1		23.3	

¹ Measurements according to IEC 60904-3, Measurement tolerance: I_{sc}: ±4%, V_{oc}: ±3 %, Test uncertainty for P_{max}: ±3%, Bifaciality: φP_{max}:80±5%; φV_{oc}:100±3%; φI_{sc}: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 %	P _{max} (STC)	545	550	556	561	567
20 %	P _{max} (STC)	594	600	606	612	618
30 %	P _{max} (STC)	644	650	657	663	670



Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42±2 °C
Temperature Coefficient of P _{max} (%/°C)	-0.29
Temperature Coefficient of V _{oc} (%/°C)	-0.25
Temperature Coefficient of I _{sc} (%/°C)	+0.048



Packaging

Container	40HQ
Pallet Dimensions (mm)	2000×1140×1250
Pieces per Pallet	36
Pieces per Container	864
Country of Manufacture	China

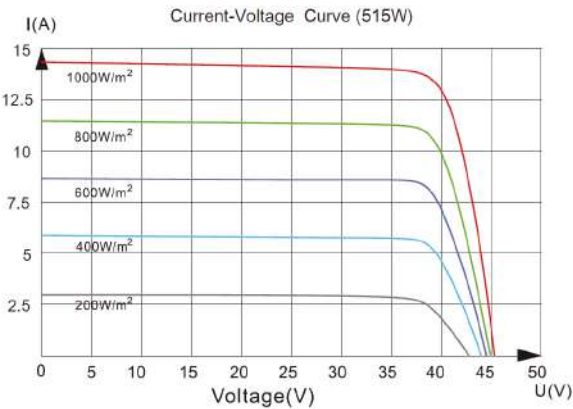


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Operating Conditions

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



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-M10RT-B60HBB-20241113.

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