

# iNFINITY RT

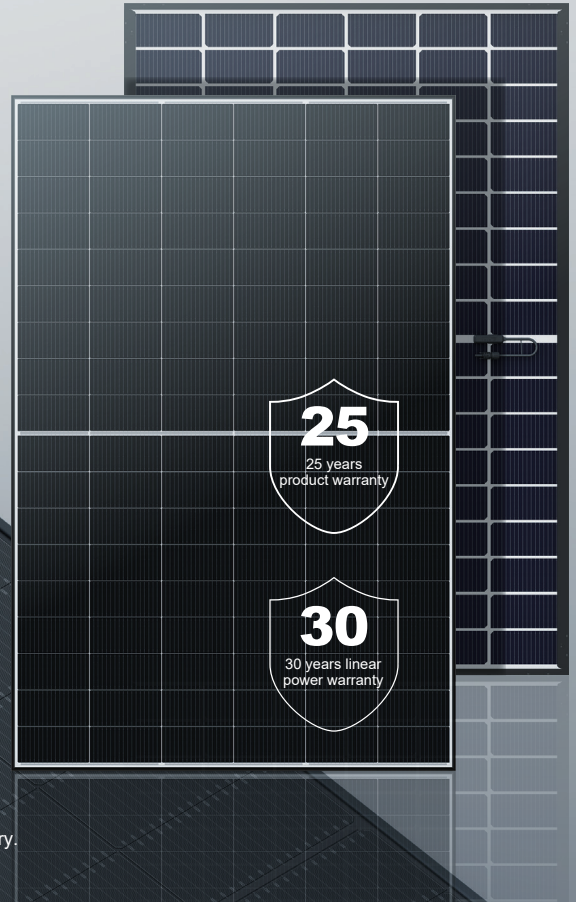
## N-Type

Bifacial Module With Double Glass

**DMxxxM10RT-  
B54HSW/HBW  
445~465W**

**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.



### Higher module efficiency

Increased energy yield due to optimized material use.



### Extended stress tests

Protection against harsh environmental conditions certified by TÜV Rheinland.



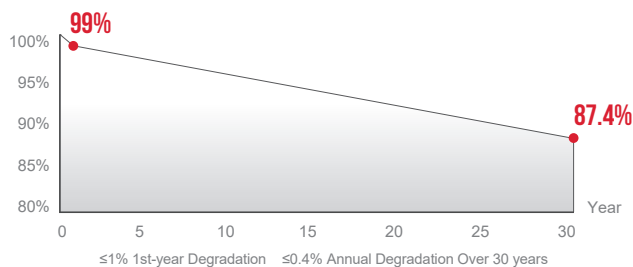
### Green product

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

## POWER WARRANTY



## PRODUCT CERTIFICATION

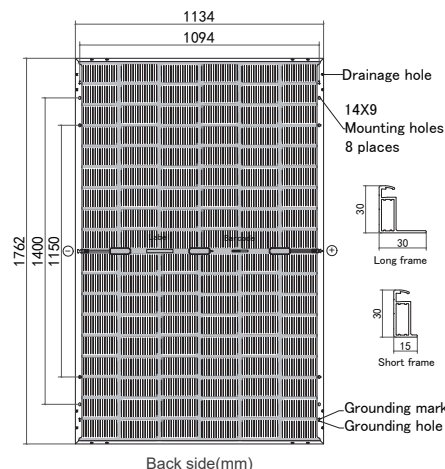
IEC 61215, IEC 61730  
Extended-Stress (IEC TS 63209)  
Ammonia Corrosion (IEC 62716)  
Salt Mist Corrosion (IEC 61701)  
LeTID (IEC TS 63342)  
Dust & Sand (IEC 60068)



# DMxxxM10RT-B54HSW/HBW

## Module Specification

Celle Type	N type Mono-crystalline, 108 (6×18)
Dimensions (mm)	1762x1134x30
Weight (kg)	24.5
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 <sup>2</sup> /Portrait: 350mm (+)/250mm(-) Landscape: 1100mm(+)/1100mm(-) Length can be customized"
Connector Type	PV-ZH202B or MC4-EVO 2A (1500V)



## Electrical Specifications<sup>1</sup>

Module Type	DM445M10RT-B54HSW/HBW		DM450M10RT-B54HSW/HBW		DM455M10RT-B54HSW/HBW		DM460M10RT-B54HSW/HBW		DM465M10RT-B54HSW/HBW	
	STC <sup>2</sup>	NMOT <sup>3</sup>	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	445	335	450	339	455	343	460	347	465	350
Maximum Power Current (Imp/A)	13.20	10.68	13.27	10.73	13.34	10.79	13.41	10.84	13.48	10.90
Maximum Power Voltage (Vmp/V)	33.71	31.49	33.91	31.68	34.11	31.86	34.31	32.05	34.51	32.24
Short-circuit Current (Isc/A)	14.10	11.36	14.17	11.41	14.24	11.47	14.31	11.53	14.38	11.58
Open-circuit Voltage (Voc/V)	40.05	37.94	40.25	38.13	40.45	38.32	40.65	38.51	40.85	38.69
Module Efficiency STC (%)	22.3%		22.5%		22.8%		23.0%		23.3%	

<sup>1</sup> Measurements according to IEC 60904-3, Measurement tolerance: ISC: ±4%, VOC: ±3%, Test uncertainty for Pmax: ±3%, Bifaciality: 80% ±5%

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

<sup>3</sup> NMOT: Radiation 800 W/m<sup>2</sup>, ambient temperature 20 °C, AM = 1.5, Wind Speed 1 m/s

## BIFACIAL OUTPUT-REAR SIDE POWER GAIN

Gain (%)	Parameter	445W	450W	455W	460W	465W
10%	Pmax (STC)	490	495	501	506	512
20%	Pmax (STC)	534	540	546	552	558
30%	Pmax (STC)	579	585	592	598	605

## Temperature Characteristics

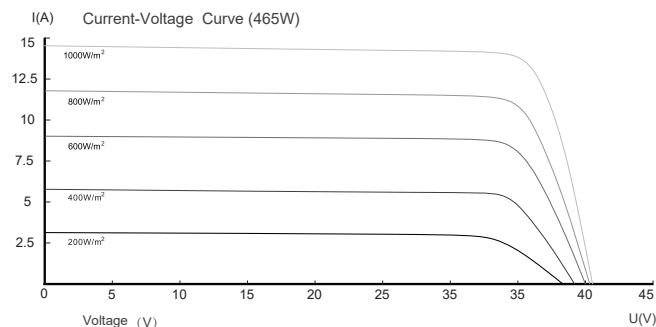
Nominal Module Operating Temperature (NMOT)	42±2 °C
Temperature Coefficient of Pmax (%/°C)	-0.29
Temperature Coefficient of Voc (%/°C)	-0.25
Temperature Coefficient of Isc (%/°C)	+0.048

## Packaging

Container	40HQ
Pallet Dimensions(mm)	1800x1140x1250
Pieces per Pallet	36
Pieces per Container	936

## Operating conditions

Operating Temperature (°C)	-40 to +85
Maximum System Voltage(V)	1500 V DC (IEC)
Overcurrent protection rating (A)	30
Power Output Tolerance (%)	0~3%
Protection class	II
Max. Test Load, Push/Pull (Pa)	Snow 5400 / Wind 2400
Max. Design Load, Push/Pull (Pa)	3600 / 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. Status: 05/2024, Document. EN DS-M10RT-B54HSW/HBW-20240516.

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