

iNFINITY RT

N-type

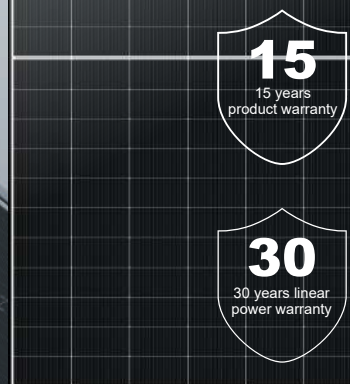
Bifacial Module with Double Glass

DMxxxG12RT-B66HBW

640~660W

24.4%
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.



Top Choice For Project Applications

Improved IRR with shorter amortisation time, 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.

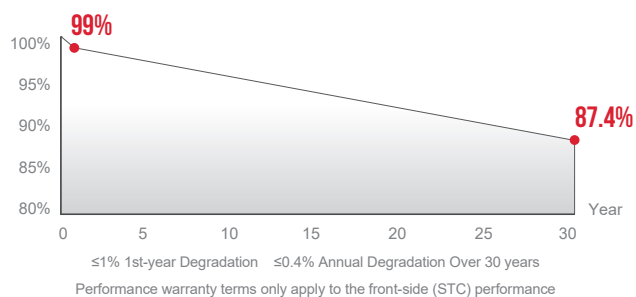
COMPANY MANAGEMENT SYSTEM

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

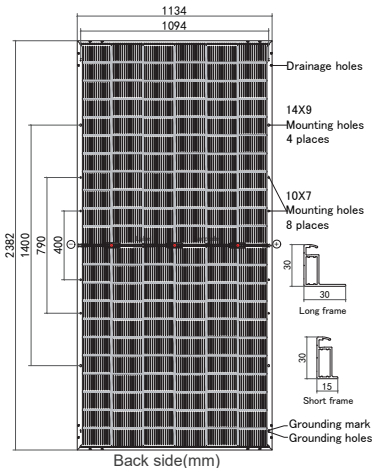


DMxxxG12RT-B66HBW



Module Specification

Cell Type	N type Mono-crystalline, 132(6×22)
Dimensions (mm)	2382×1134×30
Weight (kg)	32.3
Front Cover	2mm heat strengthened glass
Rear Cover	2mm heat strengthened glass
Junction Box	3 Diodes, IP68 according to IEC 62790
Cables (Including Connector)	4mm ² /Portrait: 300mm (+)/200mm(-) 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; Sunter: PV-ZH202B



Electrical Specifications¹

Module Type	DM640G12RT-B66HBW		DM645G12RT-B66HBW		DM650G12RT-B66HBW		DM655G12RT-B66HBW		DM660G12RT-B66HBW	
Testing Condition	STC	BNP ³	STC	BNP ³	STC	BNP ³	STC	BNP ³	STC	BNP ³
Maximum Power (P _{max} /W)	640	707	645	713	650	718	655	724	660	729
Maximum Power Current (I _{mp} /A)	15.51	17.12	15.58	17.19	15.65	17.27	15.72	17.35	15.79	17.43
Maximum Power Voltage (V _{mp} /V)	41.28	41.33	41.42	41.47	41.56	41.61	41.70	41.75	41.84	41.89
Short-circuit Current (I _{sc} /A)	16.42	18.07	16.49	18.14	16.56	18.22	16.63	18.30	16.70	18.37
Open-circuit Voltage (V _{oc} /V)	49.47	49.48	49.60	49.61	49.73	49.74	49.86	49.87	49.99	50.00
Short-circuit Current @BSI ⁴ (A)	20.26		20.35		20.44		20.52		20.61	
Module Efficiency STC (%)	23.7		23.9		24.1		24.2		24.4	

¹ Measurements according to IEC 60904-3, Measurement tolerance: I_{sc}: ±4%, V_{oc}: ±3%, Test uncertainty for P_{max}: ±3%, Bifaciality: 80%±5%, ϕI_{sc}=80%±5%, ϕV_{oc}=100%±3%, ϕP_{max}=80%±5%

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

³ BNP¹: E_f=1000W/m², E_r=135W/m², AM1.5, T_c=25°C

⁴ BSI: E_f=1000W/m², E_r=300W/m², AM1.5, T_c=25°C



BIFACIAL OUTPUT - REAR SIDE POWER GAIN

10 %	P _{max} (STC)	704	710	715	721	726
20 %	P _{max} (STC)	768	774	780	786	792
30 %	P _{max} (STC)	832	839	845	852	858



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)	2396×1140×1250
Pieces per Pallet	36
Pieces per Container	720
Country of Manufacture	China



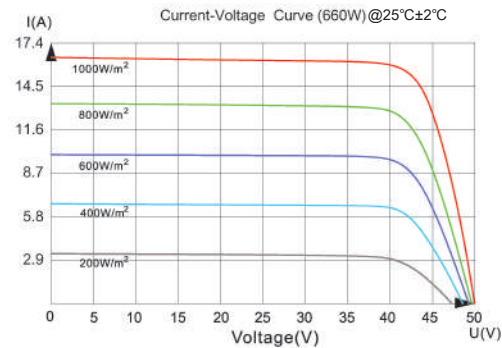
Hengdian Group DMEGC Magnetics Co.,Ltd.
Add: Hengdian Industrial Zone, Dongyang City Zhejiang Province, China 322118
Tel: 0086-579-8658-8826 E-mail: solar@dme-gc.com.cn Website: www.dme-gcsolar.com



Operating Conditions

Operating Temperature (T ₉₈) (°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) ⁴	+5400 / -3600
Max. Design Load, Push/Pull (Pa) ⁴	+3600 / -2400
Fire Rating Class	IEC Class C

⁴ The loading values will change according to different installing methods, please see installation manual for instructions.



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-G12RT-B66HBW-20250903.
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