

iNFINITY RT 3.0

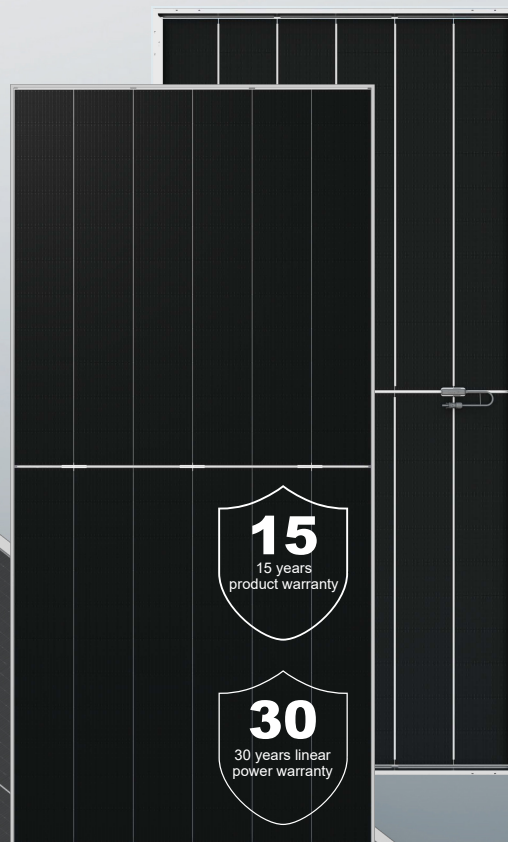
N-type

Bifacial Module with Double Glass

DMxxxG12RT-B66HSW

640~665W

24.6%
Max. Efficiency



Please refer to the DMEGC Standard Limited Warranty for more details about the product warranty and power warranty.



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

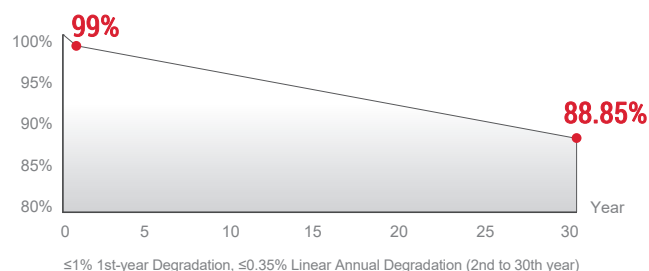
Protection against harsh environmental conditions Certified by TÜV.



Leading Manufacturing

40+ years experience in high-tech manufacturing.

POWER WARRANTY



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

Extended-Stress (IEC TS 63209)

Ammonia Corrosion (IEC 62716)

Salt Mist Corrosion (IEC 61701)

LeTID (IEC TS 63342)

Dust & Sand (IEC 60068)



Warranty partner

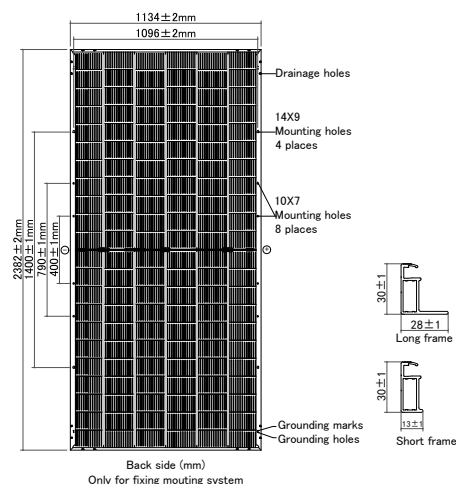


DMxxxG12RT-B66HSW



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, Anti-reflective coating
Rear Cover	2mm heat strengthened glass
Junction Box	3 Diodes, IP68 according to IEC 62790
Output Cables (Including Connector)	4mm ² /Portrait: 300mm (+)/200mm(-) Landscape: 1400mm(+)/1400mm(-) Length can be customized
Connector Type	PV-D01 or MC4-EVO 2A (1500V)



Electrical Specifications¹

Module Type	DM640G12RT-B66HSW		DM645G12RT-B66HSW		DM650G12RT-B66HSW		DM655G12RT-B66HSW		DM660G12RT-B66HSW		DM665G12RT-B66HSW	
Testing Condition	STC ²	NMOT ³	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	640	488	645	491	650	495	655	499	660	503	665	507
Maximum Power Current (Imp/A)	15.51	12.60	15.58	12.66	15.65	12.72	15.72	12.77	15.79	12.83	15.86	12.89
Maximum Power Voltage (Vmp/V)	41.28	38.73	41.42	38.86	41.56	39.00	41.70	39.13	41.84	39.26	41.98	39.39
Short-circuit Current (Isc/A)	16.42	13.24	16.49	13.29	16.56	13.35	16.63	13.40	16.70	13.46	16.77	13.52
Open-circuit Voltage (Voc/V)	49.47	47.61	49.60	47.74	49.73	47.86	49.86	47.99	49.99	48.11	50.12	48.24
Module Efficiency STC (%)	23.7		23.9		24.1		24.2		24.4		24.6	

¹ Measurements according to IEC 60904-3, Measurement tolerance: Pmax: ±3%, Isc: ±4%, Voc: ±3%, Bifaciality: 85%±5%

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

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



Electrical Specifications¹(BNPI²)

Nameplate Power (W)	640	645	650	655	660	665
Maximum Power (Pmax/W)	707	713	718	724	729	735
Maximum Power Current (Imp/A)	17.12	17.19	17.27	17.35	17.43	17.50
Maximum Power Voltage (Vmp/V)	41.33	41.47	41.61	41.75	41.89	42.03
Short-circuit Current (Isc/A)	18.07	18.14	18.22	18.30	18.37	18.45
Open-circuit Voltage (Voc/V)	49.48	49.61	49.74	49.87	50.00	50.13

¹ Measurements according to IEC 60904-3, Measurement tolerance: Pmax: ±3%, Isc: ±4%, Voc: ±3%

² BNPI: Front radiation 1000W/m², Rear radiation 135W/m², Module temperature 25°C, AM=1.5



Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42±2°C
Temperature Coefficient of Pmax (%/°C)	-0.28
Temperature Coefficient of Voc (%/°C)	-0.25
Temperature Coefficient of Isc (%/°C)	+0.046



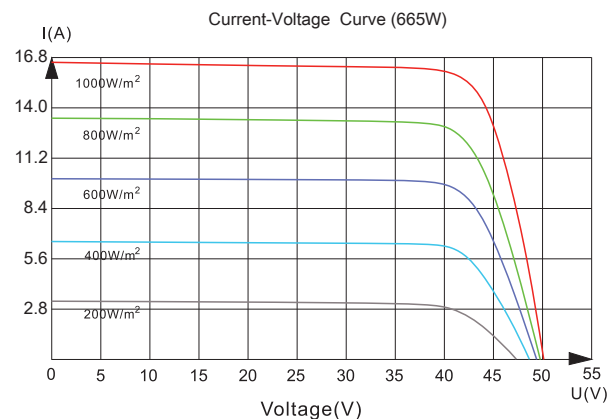
Packaging

Container	40HQ
Pallet Dimensions (mm)	2396×1140×1250
Pieces per Pallet	36
Pieces per Container	720



Operating Conditions

Operating Temperature (°C)	-40 to +85
Maximum System Voltage (V)	1500 DC (IEC)
Overcurrent Protection Rating (A)	30
Power Sorting (%)	0~3
Protection Class	Class II
Fire Class	Class C (IEC)
Max. Test Load, Push/Pull (Pa)	Front 5400 / Back 2400
Max. Design Load, Push/Pull (Pa)	Front 3600 / Back 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. Document: EN DS-G12RT-B66HSW-20261026.

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