DMEGC SOLAR

TIER 1 Bloomberg NEW ENERGY FINANCE

iNFINITY RT 3.0

N-type

Bifacial Module with Double Glass

DMxxxG12RT-B66HSW

640~665W

24.6%
Max. Efficiency

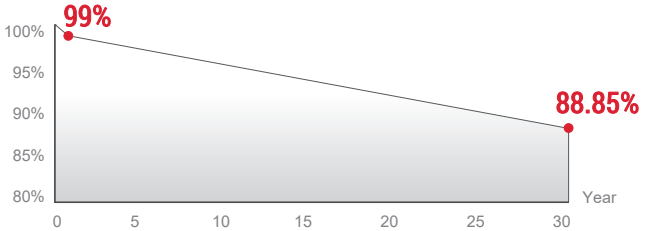
- **Leading manufacturing**
  40+ years experience in high-tech manufacturing.
- **High environmental, social and governance responsibility (ESG)**
  100% green production, transparent supply chain and excellent ESG rating in the solar industry.

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.

Green Product
Focus on circular economy - low carbon footprint, PFAS-free and recyclable components.

POWER WARRANTY



≤1% 1st-year Degradation ≤0.35% Annual Degradation Over 30 years

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)

SolarPower Europe

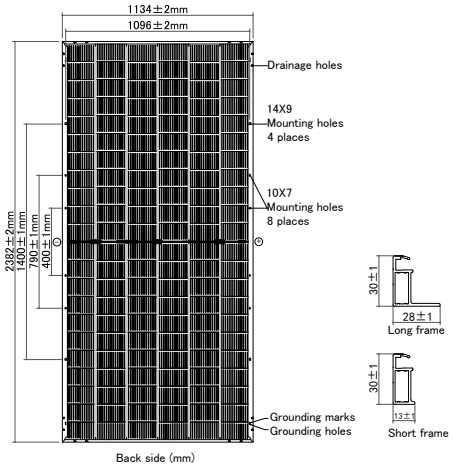
Warranty partner
Munich RE

A member of Hengdian Group

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)	4mm²/Portrait: 300mm (+)/200mm(-) Landscape: 1400mm(+)/1400mm(-) Length can be customized
Connector Type	PV-ZH202B or MC4-EVO 2A(1500V)



Electrical Specifications[1]

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: 80%±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 Specifications[1](BNPI[2])

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

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

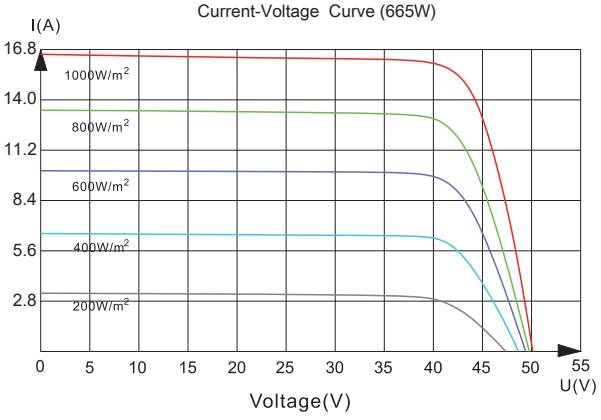
Temperature Characteristics

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)	2396×1140×1250
Pieces per Pallet	36
Pieces per Container	720

Current-Voltage Curve (665W)



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

DMEGC Renewable Energy B.V.
Add: Industrieweg 2,2641 RM Pijnacker, The Netherlands.
Tel: +31 (0) 8 58200765 **E-mail:** contact@dmegc.eu