



N-Type

Bifacial Module with Double Glass

Type: DMxxxG12RT-B66HSW

Power Range: 605 - 620 W

Max. Efficiency: 23.0%



Bifacial Module Application

Up to 25 % higher electricity yields due to active cell technology in bifacial glass/glass modules on both sides.



Better Performance

Our modules perform better on sunny and hot days thanks to its optimized temperature coefficient.



Excellent Low Light Performance

Our modules can also provide higher power output under low light conditions, such as sunset, cloudy, or dawn.



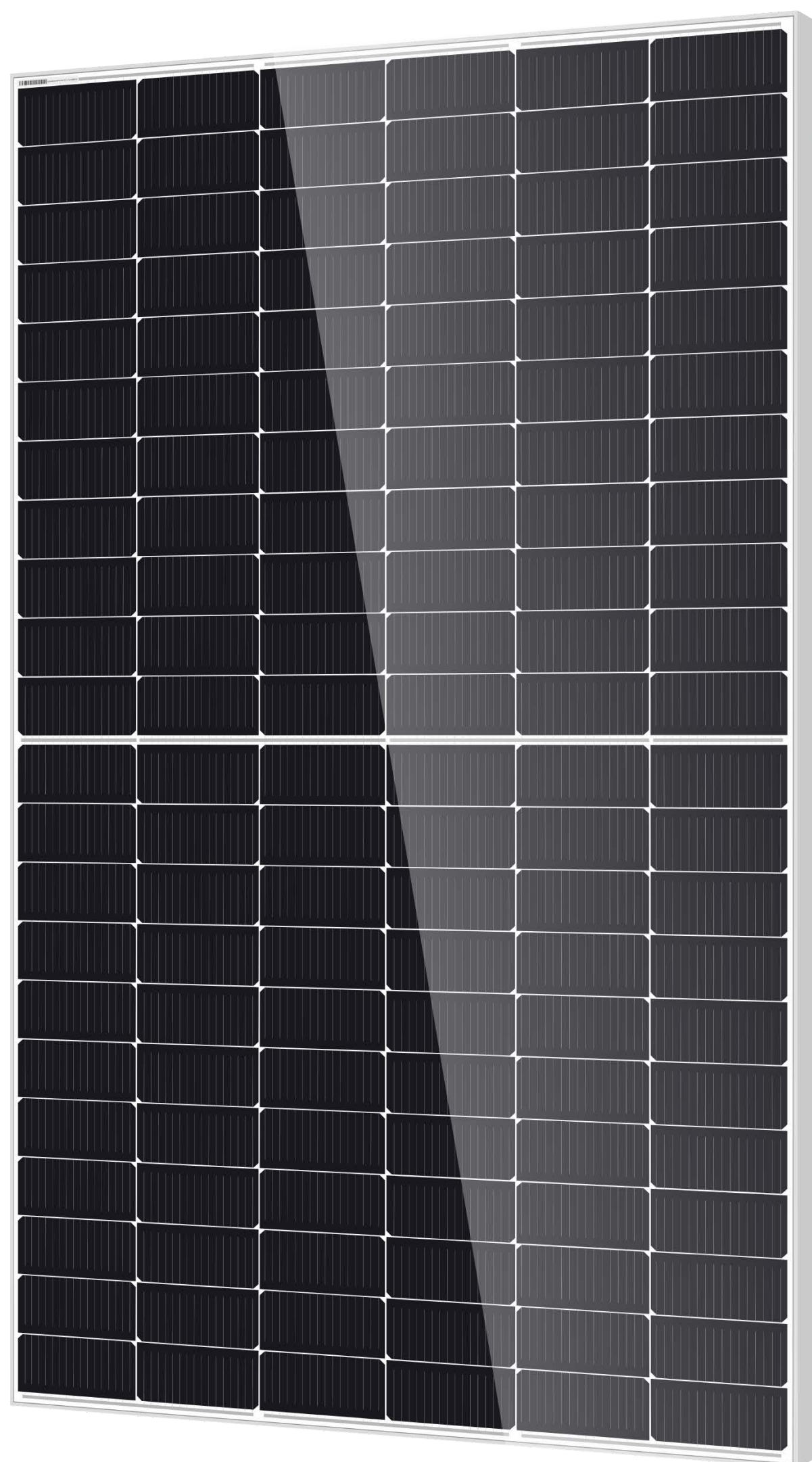
Excellent Quality

More than 40 years' experience of manufacturing and intensive quality tests above the IEC standard ensures reliable modules and a secured investment.



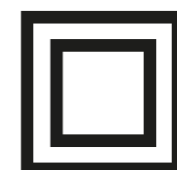
Assumption of Environmental, Social and Governance Responsibility (ESG)

DMEGC stands for his responsibility. Production is certified according to SA 8000 (ILO standards).



Certifications

- 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

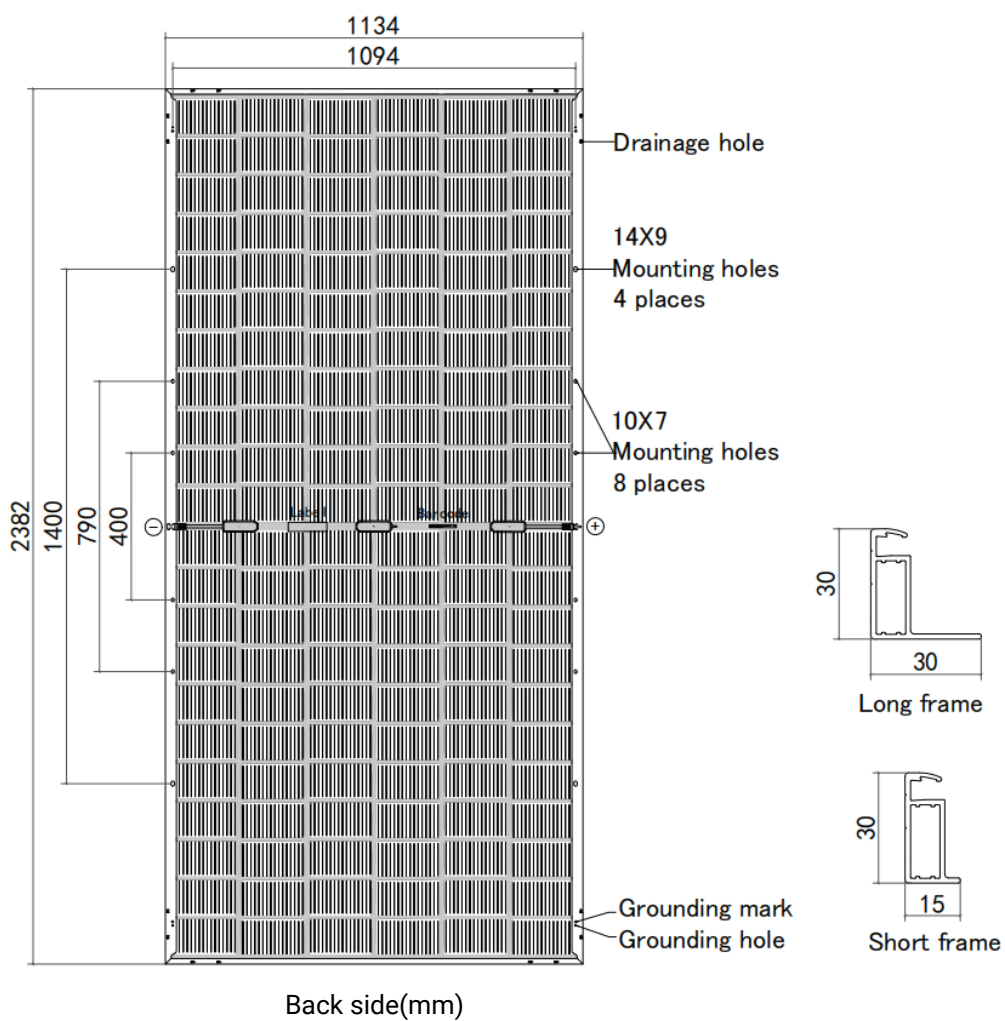


DMxxxG12RT-B66HSW



Module Specification

Cell Type	N -type Mono-crystalline , 132 (6x22)
Dimensions (mm)	2382 x 1134 x 30
Weight (kg)	32.3
Front Cover	2 mm heat strengthened glass with anti -reflective coating
Rear Cover	2 mm heat strengthened glass
Junction Box	3 Diodes, IP68 according to IEC 62790
Cables	4mm²/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	DM605G12RT-B66HSW		DM610G12RT-B66HSW		DM615G12RT-B66HSW		DM620G12RT-B66HSW	
Testing Condition	STC²	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power (Pmax/W)	605	666	610	671	615	677	620	682
Maximum Power Current (Imp/A)	15.03	16.56	15.09	16.63	15.15	16.69	15.20	16.75
Maximum Power Voltage (Vmp/V)	40.25	40.23	40.45	40.43	40.65	40.63	40.85	40.83
Short-circuit Current (Isc/A)	15.93	17.53	15.99	17.59	16.05	17.66	16.11	17.72
Open-circuit Voltage (Voc/V)	48.49	48.60	48.69	48.80	48.89	49.00	49.09	49.20
Module Efficiency STC (%)	22.4		22.6		22.8		23.0	

¹ Measurements according to IEC 60904-3, Measurement tolerance: Pmpp: ±3%, Isc: ±4%, Voc: ± 3%, Bifaciality: Pmpp: 80% ± 10%, Isc: 80% ± 10%, Voc: 100% ± 10%

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

BIFACIAL OUTPUT - REARSIDE POWER GAIN

10 %	Pmax (STC)	666	671	677	682
20 %	Pmax (STC)	726	732	738	744
30 %	Pmax (STC)	787	793	800	806

Certification and Warranty

Certification	IEC 61215, IEC 61730
WEEE Registration No.	DE 50188598
Product Warranty	15 years
Peak Power Warranty	30 years linear warranty
Fire Rating Class	IEC Class C

1.) First year: min. 99 %. 2.) From the 2nd year: Max. 0.4 % degradation annually. 3.) Min. 87.4 % in the 30th year.

Temperature Characteristics

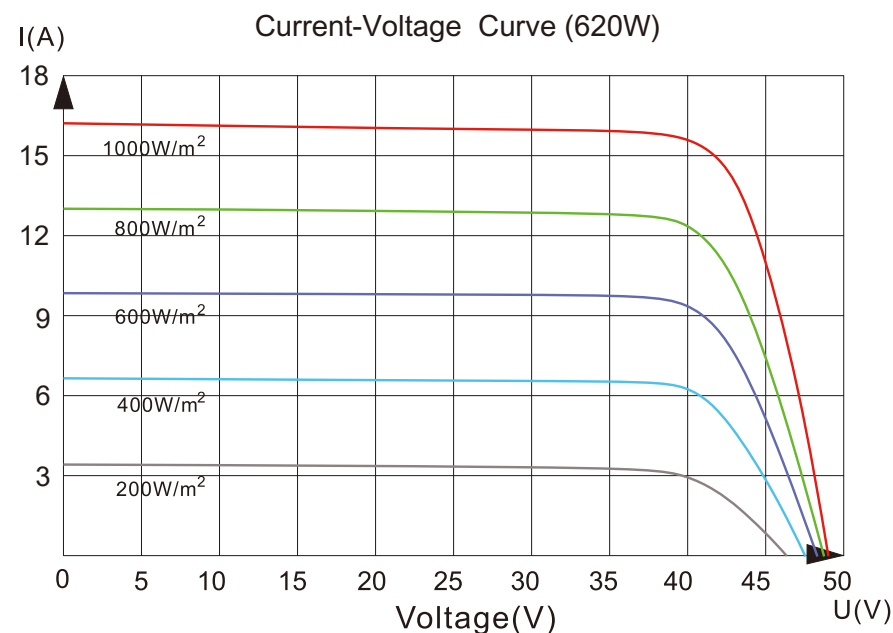
Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax (%/°C)	-0.29
Temperature Coefficient of Voc (%/°C)	-0.25
Temperature Coefficient of Isc (%/°C)	+0.048

Packaging

Container	40' HQ
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 Binning Tolerance (W)	0 / +5
Protection class	II
Max. Test Load, Push/Pull (Pa)	Snow 5400 / Wind 3600
Max. Design Load, Push/Pull (Pa)	3600 / 2400
Fire Rating Class	Class C
Country of Manufacture	China



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.



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