DMEGC SOLAR

TIER 1 Bloomberg NEW ENERGY FINANCE

iNFINITY

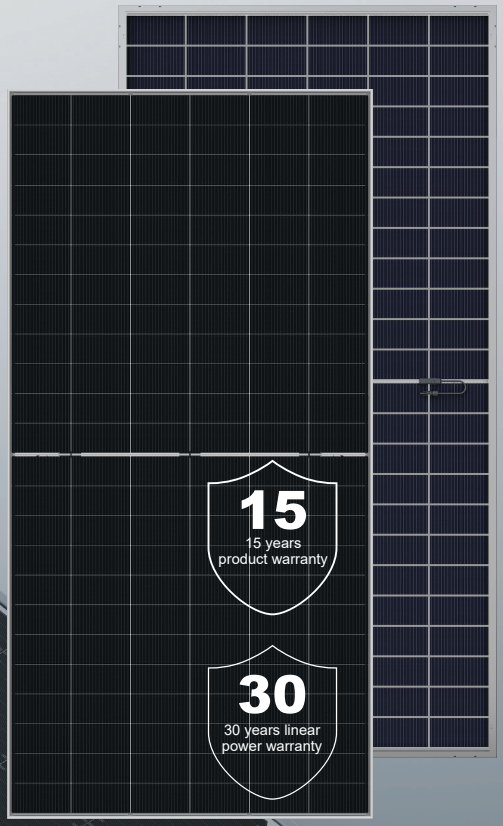
N-type

Bifacial Module with Double Glass

DMxxxG12T-B72HSW

780~805W

23.8%
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.

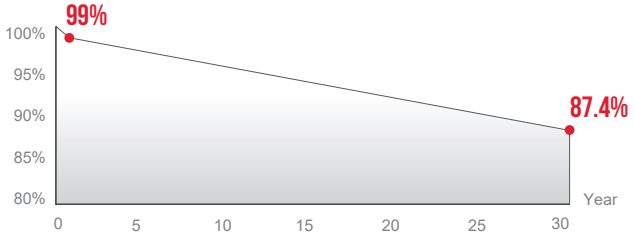
Extended Stress Tests

Protection against harsh environmental conditions Certified by TÜV.

Leading Manufacturing

40+ years experience in high-tech manufacturing.

POWER WARRANTY



≤1% 1st-year Degradation, ≤0.4% Linear Annual Degradation (2nd to 30th year)

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
Ammonia Corrosion (IEC 62716)
Salt Mist Corrosion (IEC 61701)
LeTID (IEC TS 63342)
Dust & Sand (IEC 60068)

SolarPower Europe

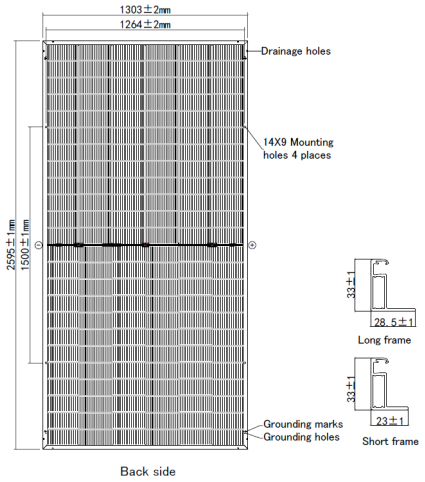
Warranty partner
Munich RE

A member of Hengdian Group

DMxxxG12T-B72HSW

Module Specification

Cell Type	N type Mono-crystalline, 144(6×24)
Dimensions (mm)	2595×1303×33
Weight (kg)	40.9
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: 360mm (+)/200mm(-) Landscape: 1500mm(+)/1500mm(-) Length can be customized
Connector Type	PV-D01 or MC4-EVO 2A(1500V)



Electrical Specifications[1]

Module Type	DM780G12T-B72HSW		DM785G12T-B72HSW		DM790G12T-B72HSW		DM795G12T-B72HSW		DM800G12T-B72HSW		DM805G12T-B72HSW	
Testing Condition	STC[2]	NMOT[3]	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	780	594	785	598	790	602	795	606	800	610	805	613
Maximum Power Current (Imp/A)	17.51	14.24	17.55	14.28	17.59	14.31	17.63	14.34	17.67	14.37	17.71	14.41
Maximum Power Voltage (Vmp/V)	44.57	41.78	44.74	41.94	44.91	42.10	45.08	42.26	45.25	42.42	45.42	42.58
Short-circuit Current (Isc/A)	18.59	15.00	18.64	15.05	18.69	15.09	18.74	15.13	18.79	15.17	18.84	15.21
Open-circuit Voltage (Voc/V)	53.38	50.65	53.56	50.82	53.74	50.99	53.92	51.16	54.10	51.33	54.28	51.50
Module Efficiency STC (%)	23.1		23.2		23.4		23.5		23.7		23.8	

[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)	780	785	790	795	800	805
Maximum Power (Pmax/W)	862	868	873	879	884	890
Maximum Power Current (Imp/A)	19.32	19.37	19.41	19.46	19.50	19.54
Maximum Power Voltage (Vmp/V)	44.62	44.79	44.96	45.13	45.30	45.47
Short-circuit Current (Isc/A)	20.45	20.51	20.56	20.62	20.67	20.73
Open-circuit Voltage (Voc/V)	53.39	53.57	53.75	53.93	54.11	54.29

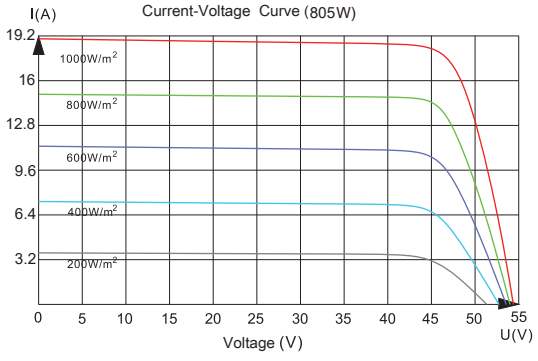
[1] Measurements according to IEC 60904-3, Measurement tolerance: Pmax: ±3%, Isc: ±4%, Voc: ±3%
[2] BNPI: Front radiation 1000W/m², Rear radiation 135W/m², Module temperature 25°C, AM=1.5

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)	2645×1140×1420
Pieces per Pallet	33
Pieces per Container	264

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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-G12T-B72HSW-20261015.
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