SYLVANIA Solar+ by DMEGC SOLAR

TIER 1 Bloomberg NEW ENERGY FINANCE

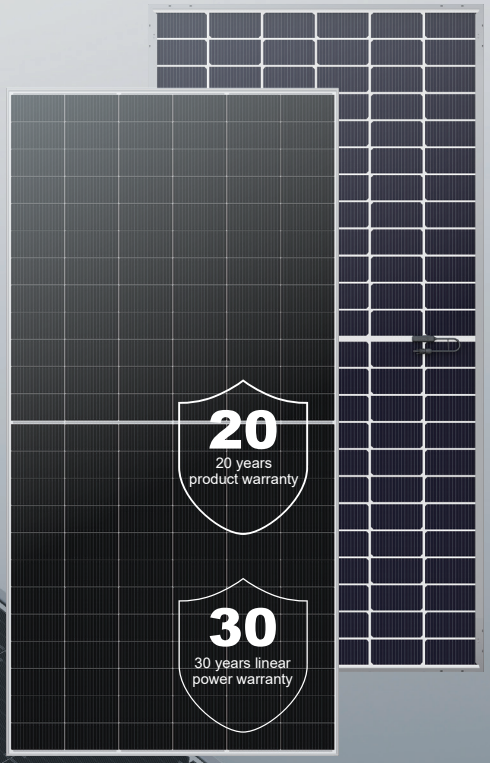
iNFINITY

N-type

Bifacial Module with Double Glass

DMxxxM10T-B72HSW

580~600W



23.2%
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 times, reduced LCOE (Levelised Cost of Energy) and lower BOS (Balance of System) costs.

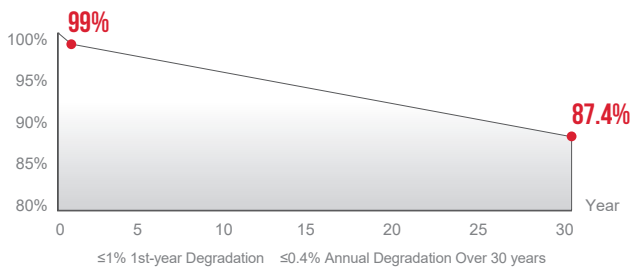
Extended Stress Tests

Protection against harsh environmental conditions certified by TÜV Rheinland.

Green Product

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

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)

SolarPower Europe

Warranty partner
Munich RE

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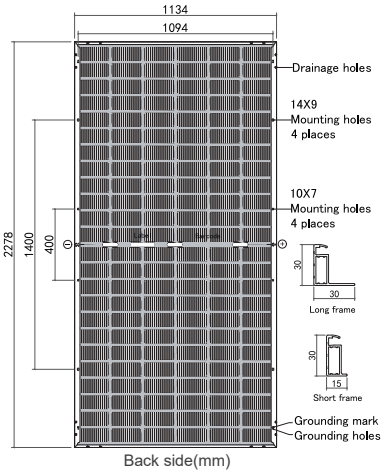
www.sylvania-colombia.com

DMxxxM10T-B72HSW

Module Specification

Cell Type	N type Mono-crystalline, 144(6×24)
Dimensions (mm)	2278×1134×30
Weight (kg)	31.8
Front Cover	2mm heat strengthened glass
Rear Cover	2mm 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	PV-ZH202B or MC4-EVO 2A(1500V)



Back side(mm)

Electrical Specifications[1]

Module Type	DM580M10T-B72HSW		DM585M10T-B72HSW		DM590M10T-B72HSW		DM595M10T-B72HSW		DM600M10T-B72HSW	
Testing Condition	STC[2]	NMOT[3]	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	580	436	585	440	590	444	595	448	600	452
Maximum Power Current (Imp/A)	13.24	10.64	13.30	10.69	13.36	10.74	13.42	10.79	13.47	10.83
Maximum Power Voltage (Vmp/V)	43.85	41.00	44.04	41.18	44.23	41.36	44.42	41.54	44.61	41.72
Short-circuit Current (Isc/A)	13.99	11.33	14.05	11.38	14.11	11.43	14.17	11.48	14.23	11.53
Open-circuit Voltage (Voc/V)	52.50	49.43	52.70	49.62	52.90	49.81	53.10	50.00	53.30	50.19
Module Efficiency STC (%)	22.5		22.6		22.8		23.0		23.2	

[1] Measurements according to IEC 60904-3, Measurement tolerance: Isc: ±4%, Voc: ±3%, Test uncertainty for Pmax: ±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)	580	585	590	595	600
Maximum Power (Pmax/W)	641	647	652	658	663
Maximum Power Current (Imp/A)	14.61	14.67	14.74	14.81	14.86
Maximum Power Voltage (Vmp/V)	43.90	44.09	44.28	44.47	44.66
Short-circuit Current (Isc/A)	15.39	15.46	15.52	15.59	15.66
Open-circuit Voltage (Voc/V)	52.51	52.71	52.91	53.11	53.31

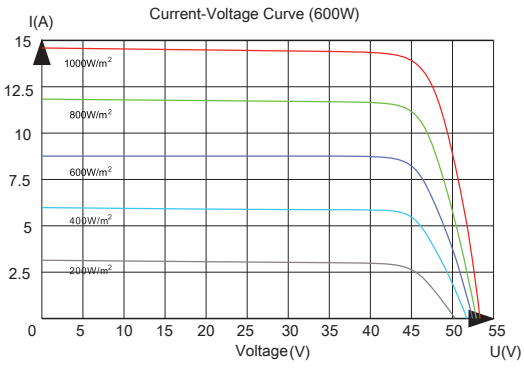
[1] Measurements according to IEC 60904-3, Measurement tolerance: Isc: ±4%, Voc: ±3%, Test uncertainty for Pmax: ±3%
[2] BNPI: Front radiation 1000W/m², Rear radiation 135W/m², Module temperature 25°C, AM=1.5

Operating Conditions

Operating Temperature (°C)	-40 to +85
Maximum System Voltage (V)	1500 DC(IEC)
Overcurrent Protection Rating (A)	30
Power Output Tolerance (%)	0~3
Protection Class	Class II
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)	2320×1140×1250
Pieces per Pallet	36
Pieces per Container	720

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