Green house

2026

The World's Leading Provider of

Agri-PV solutions

Product datasheets
download QR code

DMEGC SOLAR

Green house

Since 1980, DMEGC has believed in making the world a better place through manufacturing. After decades of exploration and expansion, we have become an active innovator in renewable energy and a leading provider of Agri-PV solutions, with an annual production capacity of 23.8GW of cells, 21GW of modules, and cumulative shipments of more than 80GW.

We are one of the first PV manufacturers to pass the French Low Carbon Certification and are listed as a 'Tier 1 PV Module Manufacturer' by Bloomberg, a 'Top Brand PV Module' by EUPD, and a 'Top Performer' by Kiwa PVEL.

We provide growers from different climate zones PV modules in various sizes and transparency ratios for different plants in open field agriculture and greenhouse horticulture.

Innovative Agri-PV Solutions

Open Field Agri-PV Solution

DMEGC Solar's Open Field Agri-PV solution combines two usage modes, one that generates electricity and the other that allows sunlight to pass through. In this way, the solar modules act like a "smart" sunshade that regulates the amount of sunlight reaching the plants.

By promoting photosynthesis and reducing overheating, these modules can increase agricultural yields and quality, while also reducing water evaporation and generating additional revenue through electricity generation.

Horticulture Agri-PV Solution

Deeply integrated with building structures, DMEGC Solar's Greenhouse horticulture solution has successful launched the new Y-framed, ECG-framed and 16mm-framed solar modules suitable for PV roof integration applications.

The innovative PV roof modules can be used in agricultural greenhouses, warehouses, carports, etc., reducing the weight of building structures and simplifying construction processes, thereby improving cost-effectiveness.

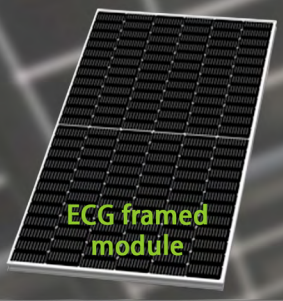
Green house

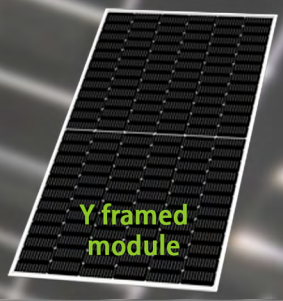
Our Agri-PV Products

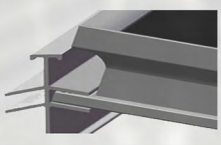
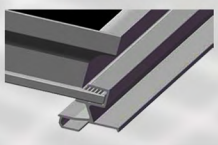
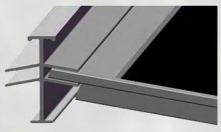
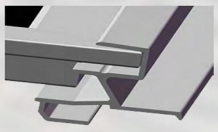
Different transparency options

Model Type	Cell Array	Power	Transp.	LxWxH mm	Q'ty/ctn
GHxxxG12RT-B66HST	6*(11+11)	625W	~2%		
GHxxxG12RT-B60HST	6*(10+10)	565W	~10%		
GHxxxG12RT-B44HST	4*(11+11)	420W	~33%	2382x1134x30	720
GHxxxG12RT-B40HST	4*(10+10)	380W	~38%		
GHxxxG12RT-B32HST	4*(8+8)	305W	~50%		
GHxxxG12RT-B32HST	4*(8+8)	305W	~33%	1762x1134x30	936

For Greenhouse horticulture





Frame	Product	Match ridge	Match roof bar	Match gutter
ECG framed				
Y framed				

DMEGC SOLAR

Green house

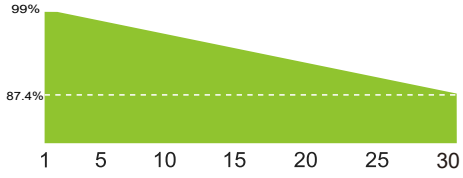
DMEGC SOLAR

400 / 405 / 410 / 415

GHxxxM10RT-B48HSW/HST-LC
GHxxxM10RT-G48HSW-LC

15 Years Product Warranty

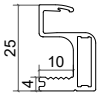
30 Years Peak Power Warranty



Birth for greenhouse & Carport
Fit for carport, existing and new build greenhouse.

Double use of land
Beside create shielter space under the panel it also harvests energy.

Much less A/C cost
Sandwich structure, big part of heat turns to electricity.



ECG25 Frame
Brute alu

Electrical Specifications at STC

Maximum Power (Pmax/W)	400	405	410	415
Maximum Power Current (Imp/A)	13.53	13.60	13.67	13.74
Maximum Power Voltage (Vmp/V)	29.60	29.80	30.00	30.20
Short-circuit Current (Isc/A)	14.04	14.11	14.18	14.25
Open-circuit Voltage (Voc/V)	35.44	35.64	35.84	36.04
Module Efficiency (%)	21.38%	21.65%	21.91%	22.18%

80%±5% (B48) N.A (G48) STC: AM1.5 1000W/m² 25°C Measurement uncertainty: ±3%

Mechanical Data

Cell Type	N type Mono-crystalline
Cell Arrangement	96(6x16)
Module Dimensions	1650x1134x25mm
Weight	20kg
Module Structure	Glass/Encapsulant/Glass
Glass Thickness	1.6mm+1.6mm
Safety Class	Class II
Junction Box Rating	IP68
Cables+connector	4mm²/(+)110mm;(-)350mm or Customized
Connector Type	PV-ZH202B or MC4-EVO 2A (1500V)

Packaging

Pallet Dimensions	1690*1140*1250mm
Container	40'HQ
Pieces per Pallet	44
Pieces per Container	1232

Temperature Characteristics

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

Maximum Ratings

Operating Temperature	-40°C to +85°C	Maximum Series Fuse Rating	30A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa	Number of Diodes	3
Maximum System Voltage	1500V DC (IEC)		

Statement: DMEGC reserve the right optimize the above data from time to time.

Ver: 20260101

Hengdian Group DMEGC Magnetics Co.,Ltd.
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Green house

DMEGC SOLAR

535 / 540 / 545 / 550

GHxxxM10T-B66HSW-C
GHxxxM10T-B66HST-C
GHxxxM10T-G66HSW-C

Birth for greenhouse & Carport
Fit for carport, existing and new build greenhouse.

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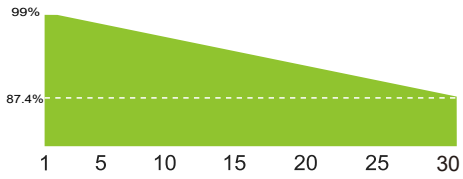
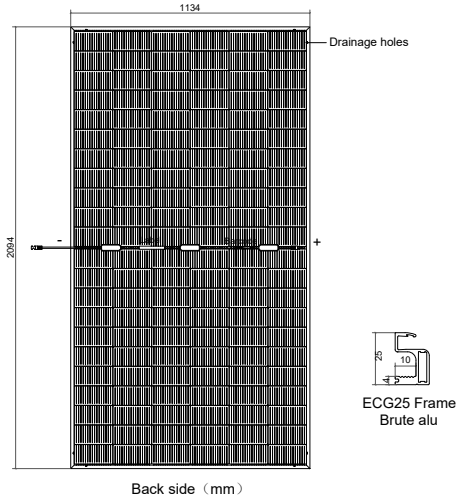
15 Years Product Warranty

30 Years Peak Power Warranty





Electrical Specifications at STC

Maximum Power (Pmax/W)	535	540	545	550
Maximum Power Current (Imp/A)	13.28	13.34	13.40	13.45
Maximum Power Voltage (Vmp/V)	40.34	40.54	40.74	40.94
Short-circuit Current (Isc/A)	14.02	14.08	14.14	14.20
Open-circuit Voltage (Voc/V)	48.18	48.38	48.58	48.78
Module Efficiency (%)	22.53%	22.74%	22.95%	23.16%
Bifaciality: 80%±5% (B66 only)	STC: AM1.5 1000W/m² 25°C		Measurement uncertainty: ±3%	

Mechanical Data

Cell Type	N type Mono-crystalline
Cell Arrangement	132(6x22)
Module Dimensions	2094x1134x25mm
Weight	28.7kg
Module Structure	Glass/Encapsulant/Glass
Glass Thickness	2.0mm+2.0mm
Safety Class	Class II
Junction Box Rating	IP68
Cables+connector	4mm²/(+)110mm;(-)350mm or Customized
Connector Type	PV-ZH202B

Packaging

Pallet Dimensions	2140*1140*1250mm
Container	40'HQ
Pieces per Pallet	43
Pieces per Container	860

Temperature Characteristics

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

Maximum Ratings

Operating Temperature	-40°C to +85°C	Maximum Series Fuse Rating	30A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa	Number of Diodes	3
Maximum System Voltage	1500V DC (IEC)		

Statement: DMEGC reserve the right optimize the above data from time to time.

Ver: 20251202

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Email: greenhouse@dmegc.com.cn

Green house

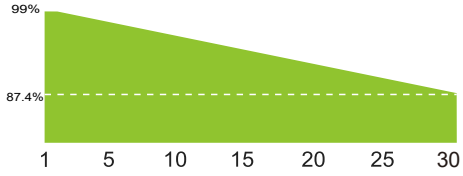
DMEGC SOLAR

535 / 540 / 545 / 550

GHxxxM10T-B66HSW-C
GHxxxM10T-B66HST-C
GHxxxM10T-G66HSW-C

15 Years Product Warranty

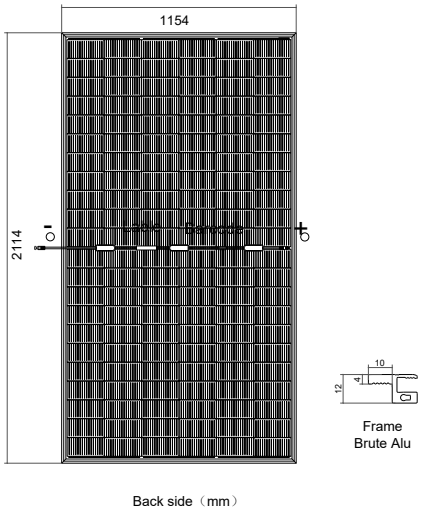
30 Years Peak Power Warranty



Tier 1

Electrical Specifications at STC

Maximum Power (Pmax/W)	535	540	545	550
Maximum Power Current (Imp/A)	13.28	13.34	13.40	13.46
Maximum Power Voltage (Vmp/V)	40.34	40.54	40.74	40.94
Short-circuit Current (Isc/A)	14.02	14.08	14.14	14.20
Open-circuit Voltage (Voc/V)	48.18	48.38	48.58	48.78
Module Efficiency (%)	21.93%	22.14%	22.34%	22.55%
Bifaciality 80%±5% (B66 only)	STC:AM1.5 1000W/㎡ 25℃		Measurement uncertainty:±3%	



Back side（mm）

Mechanical Data

Cell Type	N type Mono-crystalline
Cell Arrangement	132(6x22)
Module Dimensions	2114*1154*12mm
Weight	28.8kg
Module Structure	Glass/Encapsulant/Glass
Glass Thickness	2.0mm+2.0mm
Safety Class	Class II
Junction Box Rating	IP68
Cables	4mm²/(+)110mm;(-)350mm or Customize
Connector Type	PV-ZH202B

Packaging

Pallet Dimensions	2205*1127*1325mm
Container	40'HQ
Pieces per Pallet	56
Pieces per Container	560

Temperature Characteristics

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

Maximum Ratings

Operating Temperature	-40°C to+85°C	Maximum Series Fuse Rating	30A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa	Number of Diodes	3
Maximum System Voltage	1500V DC(IEC)		

Statement：DMEGC reserve the right optimize the above data from time to time.

Ver:20241218A1

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Green house

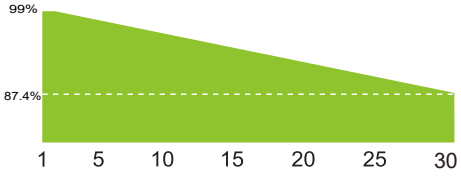
DMEGC SOLAR

565 / 570 / 575 / 580

GHxxxG12RT-B60HST/HSW-C
GHxxxG12RT-G60HSW-C

15 Years Product Warranty

30 Years Peak Power Warranty



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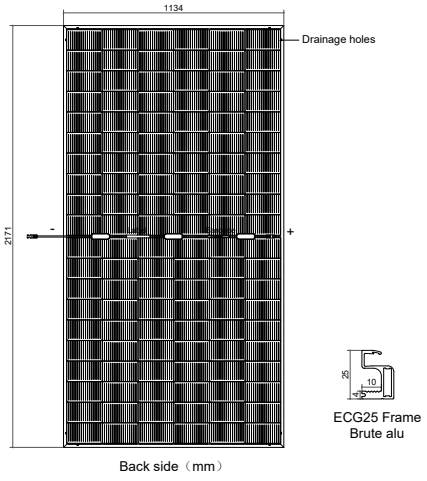

Electrical Specifications at STC

Maximum Power (Pmax/W)	565	570	575	580
Maximum Power Current (Imp/A)	14.80	14.84	14.88	14.92
Maximum Power Voltage (Vmp/V)	38.18	38.42	38.66	38.90
Short-circuit Current (Isc/A)	15.75	15.80	15.85	15.90
Open-circuit Voltage (Voc/V)	45.15	45.29	45.43	45.57
Module Efficiency (%)	22.95%	23.15%	23.36%	23.59%
Bifaciality: 80%±5%(B60H only)	STC: AM1.5 1000W/m² 25°C		Measurement uncertainty: ±3%	

Mechanical Data

Cell Type	N type Mono-crystalline
Cell Arrangement	120(6x20)
Module Dimensions	2171x1134x25mm
Weight	30kg
Module Structure	Glass/Encapsulant/Glass
Glass Thickness	2.0mm+2.0mm
Safety Class	Class II
Junction Box Rating	IP68
Cables+connector	4mm²/(+)110mm;(-)350mm or Customized
Connector Type	PV-ZH202B or MC4-EVO 2A (1500V)

Packaging

Pallet Dimensions	2210*1140*1250mm
Container	40'HQ
Pieces per Pallet	43
Pieces per Container	860

Temperature Characteristics

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

Maximum Ratings

Operating Temperature	-40°C to +85°C	Maximum Series Fuse Rating	30A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa	Number of Diodes	3
Maximum System Voltage	1500V DC (IEC)		

Statement: DMEGC reserve the right optimize the above data from time to time.

Ver: 20251203

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Email: greenhouse@dmegc.com.cn

Green house

DMEGC SOLAR

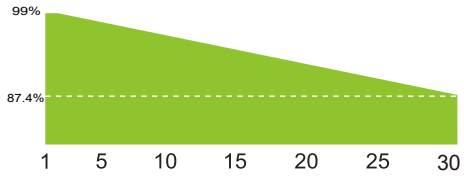
380 / 385 / 390 / 395

GHxxxG12RT-B40HST-C

~35% transparent area

15 Years Product Warranty

30 Years Peak Power Warranty



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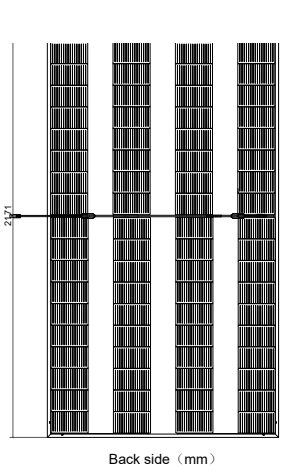

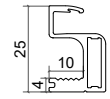

ECG25 Frame
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Electrical Specifications at STC

Maximum Power (Pmax/W)	380	385	390	395
Maximum Power Current (Imp/A)	14.78	14.83	14.88	14.93
Maximum Power Voltage (Vmp/V)	25.73	25.98	26.23	26.48
Short-circuit Current (Isc/A)	15.74	15.79	15.84	15.89
Open-circuit Voltage (Voc/V)	30.16	30.30	30.44	30.58
Bifaciality: 80%±5%	STC: AM1.5 1000W/m² 25°C		Measurement uncertainty: ±3%	

Mechanical Data

Cell Type	N type Mono-crystalline
Cell Arrangement	80(4x20)
Module Dimensions	2171x1134x25mm
Weight	30.9kg
Module Structure	Glass/Encapsulant/Glass
Glass Thickness	2.0mm+2.0mm
Safety Class	Class II
Junction Box Rating	IP68
Cables+connector	4mm²/(+)110mm;(-)350mm or Customized
Connector Type	PV-ZH202B

Packaging

Pallet Dimensions	2396*1140*1250mm
Container	40'HQ
Pieces per Pallet	36
Pieces per Container	720

Temperature Characteristics

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

Maximum Ratings

Operating Temperature	-40°C to +85°C	Maximum Series Fuse Rating	30A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa	Number of Diodes	2
Maximum System Voltage	1500V DC (IEC)		

Statement: DMEGC reserve the right optimize the above data from time to time.

Ver: 20260305

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Tel: 0086-579-8658-8825 www.dmegcsolar.com
Email: greenhouse@dmegc.com.cn

Green house

DMEGC SOLAR

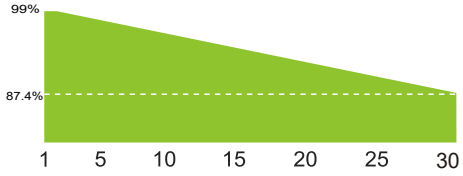
340 / 345 / 350 / 355

GHxxxG12RT-B36HST-C

~41% transparent area

15 Years Product Warranty

30 Years Peak Power Warranty



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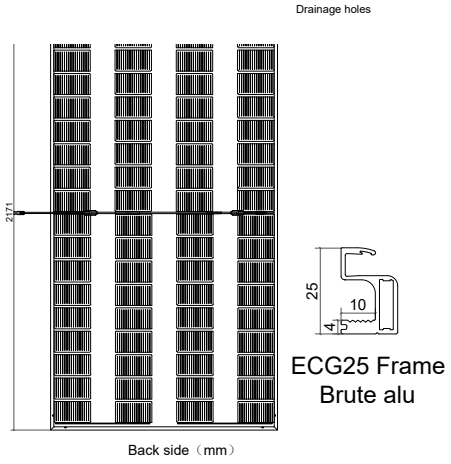

ECG25 Frame
Brute alu

Electrical Specifications at STC

Maximum Power (Pmax/W)	340	345	350	355
Maximum Power Current (Imp/A)	14.82	14.87	14.92	14.97
Maximum Power Voltage (Vmp/V)	22.96	23.21	23.46	23.71
Short-circuit Current (Isc/A)	15.78	15.83	15.88	15.93
Open-circuit Voltage (Voc/V)	27.08	27.22	27.36	27.50
Bifaciality: 80%±5%	STC: AM1.5 1000W/m² 25°C		Measurement uncertainty: ±3%	

Mechanical Data

Cell Type	N type Mono-crystalline
Cell Arrangement	72(4x18)
Module Dimensions	2171x1134x25mm
Weight	30.7kg
Module Structure	Glass/Encapsulant/Glass
Glass Thickness	2.0mm+2.0mm
Safety Class	Class II
Junction Box Rating	IP68
Cables+connector	4mm²/(+)110mm;(-)350mm or Customized
Connector Type	PV-ZH202B

Packaging

Pallet Dimensions	2210*1140*1250mm
Container	40'HQ
Pieces per Pallet	43
Pieces per Container	817

Temperature Characteristics

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

Maximum Ratings

Operating Temperature	-40°C to +85°C	Maximum Series Fuse Rating	30A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa	Number of Diodes	2
Maximum System Voltage	1500V DC (IEC)		

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Ver: 20260305

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Tel: 0086-579-8658-8825 www.dmegcsolar.com
Email: greenhouse@dmegc.com.cn

Green house

TIER 1 Bloomberg NEW ENERGY FINANCE

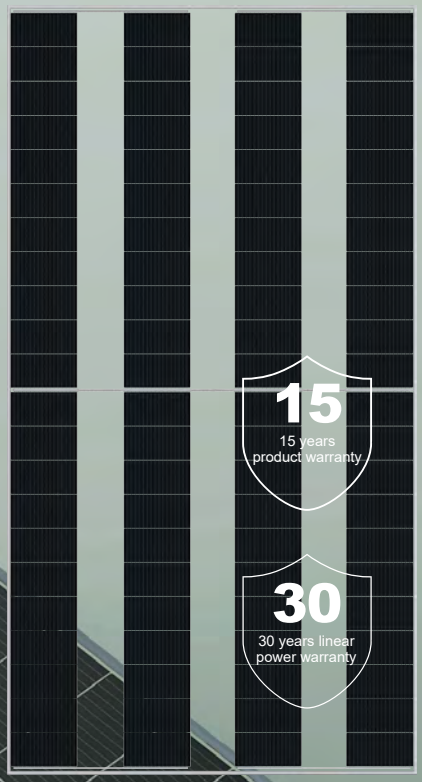
N-Type

Bifacial Module designed for Agrivoltaic, balcony

GHxxxG12RT-B44HST

415~430W

~33% Transparent area



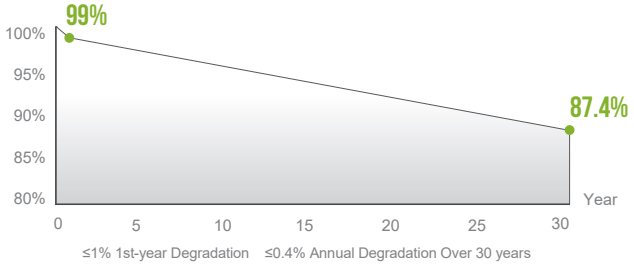
- **Leading manufacturing**
  40+ years experience in high-tech manufacturing.
- **High environmental, social and governance responsibility (ESG)**
  100% green production, transparent supply chain and excellent ESG rating in the solar industry.

Zebra Design
High transparent area, fit for agriculture or balcony and carport application.

Enhanced Light Scattering tech
Optimized light consistency, mitigate shade impact for plants under solar module.

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
Ammonia Corrosion (IEC 62716)
Salt Mist Corrosion (IEC 61701)
LeTID (IEC TS 63342)

SolarPower Europe

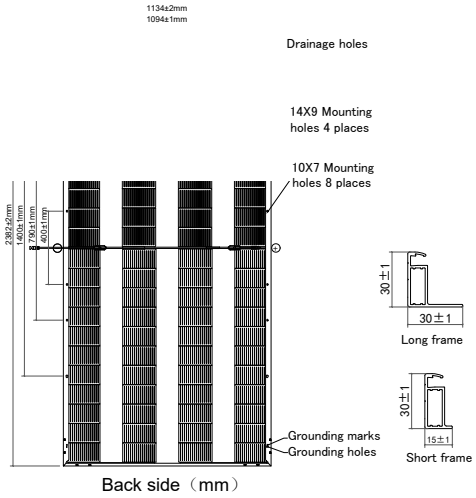
DMEGC SOLAR

A member of HengdianGroup

GHxxxG12RT-B44HST

Module Specification

Cell Type	N type Mono-crystalline, 88(4x22)
Dimensions (mm)	2382x1134x30
Weight (kg)	32
Front Cover	2 mm semi-tempered with anti-reflective coating
Rear Cover	2 mm semi-tempered glass
Junction Box	2 Diodes, IP68 according to IEC 62790
Output Cables (Including Connector)	4mm²/ 110mm (+)/350mm(-) Length can be customized
Connector Type	PV-ZH202B



Back side（mm）

Electrical Specifications[1]

Module Type	GH415G12RT-B44HST		GH420G12RT-B44HST		GH425G12RT-B44HST		GH430G12RT-B44HST	
Testing Condition	STC[2]	NMOT[3]	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	415	316	420	320	425	324	430	328
Maximum Power Current (Imp/A)	14.78	12.01	14.83	12.05	14.88	12.09	14.93	12.13
Maximum Power Voltage (Vmp/V)	28.08	26.35	28.32	26.57	28.56	26.80	28.80	27.02
Short-circuit Current (Isc/A)	15.74	12.69	15.79	12.73	15.84	12.77	15.89	12.81
Open-circuit Voltage (Voc/V)	33.06	31.82	33.20	31.95	33.34	32.09	33.48	32.22

[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): Irradiance 1000W/m², Module temperature 25°C, AM=1.5
[3] NMOT: Irradiance 800W/m², Ambient temperature 20°C, AM=1.5, Wind Speed 1m/s

Electrical Specifications[1](BNPI[2])

Nameplate Power (W)	415	420	425	430
Maximum Power (Pmax/W)	459	464	470	475
Maximum Power Current (Imp/A)	16.31	16.37	16.42	16.48
Maximum Power Voltage (Vmp/V)	28.11	28.35	28.59	28.83
Short-circuit Current (Isc/A)	17.32	17.37	17.43	17.48
Open-circuit Voltage (Voc/V)	33.06	33.20	33.34	33.48

[1] Measurements according to IEC 60904-3, Measurement tolerance: Isc: ±4%, Voc: ±3%, Test uncertainty for Pmax: ±3%
[2] BNPI: Front irradiance 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℃
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)	2396x1140x1250
Pieces per Pallet	36
Pieces per Container	720

Hengdian Group DMEGC Magnetics Co.,Ltd.
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Add: Industrieweg 2, 2641 RM Pijnacker, Niederlande
Tel: +31 (0) 85 8200765 **E-mail:** contact@dmegc.eu

Green house

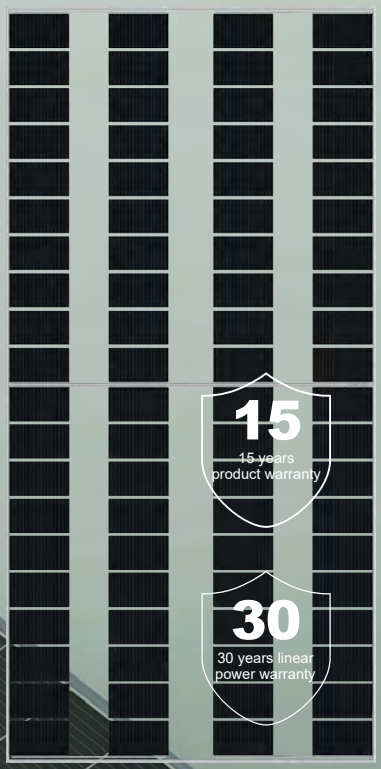
TIER 1 Bloomberg NEW ENERGY FINANCE

N-Type

Bifacial Module designed for Agrivoltaic, Carport, Greenhouse

GHxxxG12RT-B40HST
380~395W

~38% Transparent area



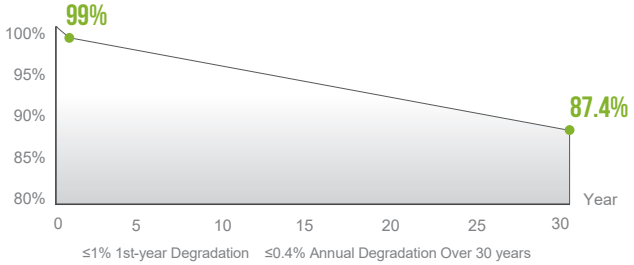
- **Leading manufacturing**
  40+ years experience in high-tech manufacturing.
- **High environmental, social and governance responsibility (ESG)**
  100% green production, transparent supply chain and excellent ESG rating in the solar industry.

Zebra Design
High transparent area, fit for agriculture or balcony and carport application.

Enhanced Light Scattering tech
Optimized light consistency, mitigate shade impact for plants under solar module.

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
Ammonia Corrosion (IEC 62716)
Salt Mist Corrosion (IEC 61701)
LeTID (IEC TS 63342)

SolarPower Europe

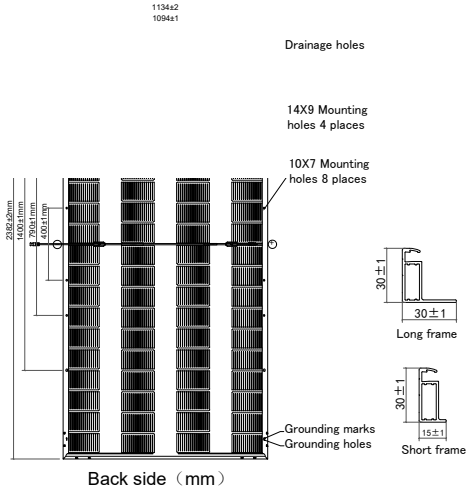
DMEGC SOLAR

A member of HengdianGroup

GHxxxG12RT-B40HST

Module Specification

Cell Type	N type Mono-crystalline, 80(4x20)
Dimensions (mm)	2382x1134x30
Weight (kg)	32
Front Cover	2 mm semi-tempered with anti-reflective coating
Rear Cover	2 mm semi-tempered glass
Junction Box	2 Diodes, IP68 according to IEC 62790
Output Cables (Including Connector)	4mm²/ 110mm (+)/350mm(-) Length can be customized
Connector Type	PV-ZH202B



Back side（mm）

Electrical Specifications[1]

Module Type	GH380G12RT-B40HST		GH385G12RT-B40HST		GH390G12RT-B40HST		GH395G12RT-B40HST	
Testing Condition	STC[2]	NMOT[3]	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	380	290	385	293	390	297	395	301
Maximum Power Current (Imp/A)	14.78	12.01	14.83	12.05	14.88	12.09	14.93	12.13
Maximum Power Voltage (Vmp/V)	25.73	24.14	25.98	24.38	26.23	24.61	26.48	24.85
Short-circuit Current (Isc/A)	15.74	12.69	15.79	12.73	15.84	12.77	15.89	12.81
Open-circuit Voltage (Voc/V)	30.16	29.03	30.30	29.16	30.44	29.30	30.58	29.43

[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): Irradiance 1000W/m², Module temperature 25°C, AM=1.5
[3] NMOT: Irradiance 800W/m², Ambient temperature 20°C, AM=1.5, Wind Speed 1m/s

Electrical Specifications[1](BNPI[2])

Nameplate Power (W)	380	385	390	395
Maximum Power (Pmax/W)	420	426	431	437
Maximum Power Current (Imp/A)	16.31	16.37	16.42	16.48
Maximum Power Voltage (Vmp/V)	25.76	26.01	26.26	26.51
Short-circuit Current (Isc/A)	17.32	17.37	17.43	17.48
Open-circuit Voltage (Voc/V)	30.16	30.30	30.44	30.58

[1] Measurements according to IEC 60904-3, Measurement tolerance: Isc: ±4%, Voc: ±3%, Test uncertainty for Pmax: ±3%
[2] BNPI: Front irradiance 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℃
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)	2396x1140x1250
Pieces per Pallet	36
Pieces per Container	720

Greenhouse

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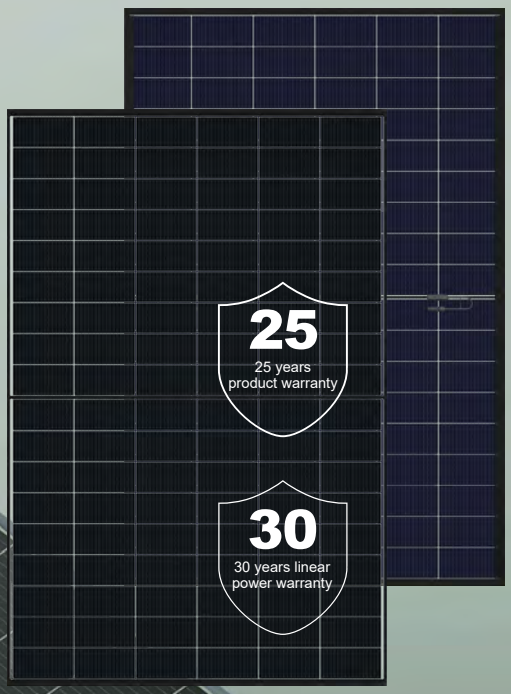
Green house

N-Type

Bifacial Module designed for Carports, Greenhouses

GHxxxM10T-B54HBT/HST
430~445W



22.8%
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.

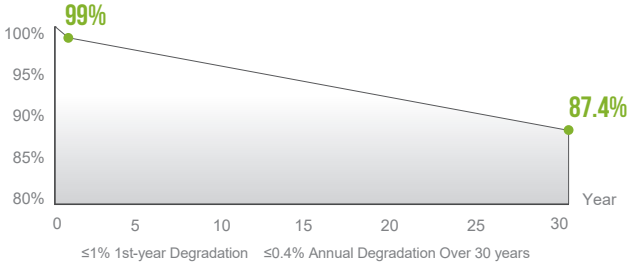
~3% Transparent area

German DIBt Approval (abZ)
Can be used for carports and overhead installations.

Enhanced Light Scattering Tech
High light consistency, mitigate shade impact at plants under solar module.

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
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PRODUCT CERTIFICATION

IEC 61215, IEC 61730
Ammonia Corrosion (IEC 62716)
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LeTID (IEC TS 63342)

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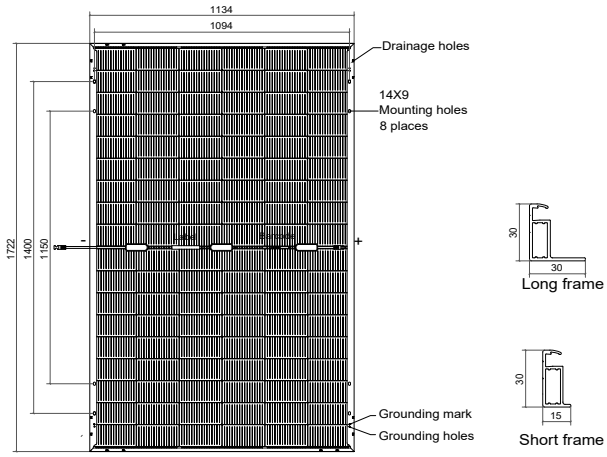
GHxxxM10T-B54HBT/HST

Module Specification

Cell Type	N type Mono-crystalline, 108(6x18)
Dimensions (mm)	1722x1134x30
Weight (kg)	23.6
Front Cover	2 mm semi-tempered with anti-reflective coating
Rear Cover	2 mm semi-tempered glass
Junction Box	3 Diodes, IP68 according to IEC 62790
Output Cables (Including Connector)	4mm²/Portrait:300mm (+)/200mm(-) Landscape: 1100mm(+)/1100mm(-) Length can be customized
Connector Type	PV-ZH202B or MC4-EVO 2A (1500V)



Back side（mm）

Electrical Specifications[1]

Module Type	GH430M10T-B54HBT/HST		GH435M10T-B54HBT/HST		GH440M10T-B54HBT/HST		GH445M10T-B54HBT/HST	
Testing Condition	STC[2]	NMOT[3]	STC[2]	NMOT[3]	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	430	324	435	327	440	331	445	335
Maximum Power Current (Imp/A)	13.10	10.53	13.17	10.59	13.24	10.64	13.31	10.70
Maximum Power Voltage (Vmp/V)	32.83	30.70	33.03	30.89	33.24	31.08	33.45	31.28
Short-circuit Current (Isc/A)	13.88	11.24	13.95	11.30	14.02	11.36	14.09	11.41
Open-circuit Voltage (Voc/V)	39.44	37.14	39.64	37.32	39.84	37.51	40.04	37.70
Module Efficiency STC (%)	22.0		22.3		22.5		22.8	

[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): Irradiance 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)	430	435	440	445
Maximum Power (Pmax/W)	475	481	486	492
Maximum Power Current (Imp/A)	14.46	14.53	14.61	14.69
Maximum Power Voltage (Vmp/V)	32.87	33.07	33.28	33.49
Short-circuit Current (Isc/A)	15.27	15.35	15.42	15.50
Open-circuit Voltage (Voc/V)	39.44	39.64	39.84	40.04

[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℃
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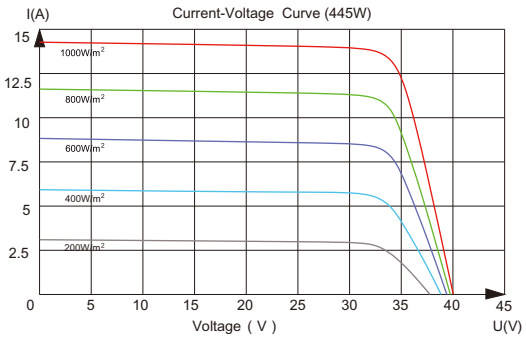
Temperature Coefficient of Voc (%/°C)	-0.25
Temperature Coefficient of Isc (%/°C)	+0.048



Packaging

Container	40HQ
Pallet Dimensions (mm)	1770x1140x1250
Pieces per Pallet	36
Pieces per Container	936

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Green house


Solarkas Heinenoord the Netherlands, 4.6 MW


Southeast of France, 2 MW


Berltsum the Netherlands, 13MW


Bodensdorf, Austria, 2MW


Alte Pumpe, Salzwedel Germany, 3.7MW


Pijnacker the Netherlands 2,7MW


Velden, the Netherlands 31MW


Neuried, Germany, 2MW

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