

N-Type

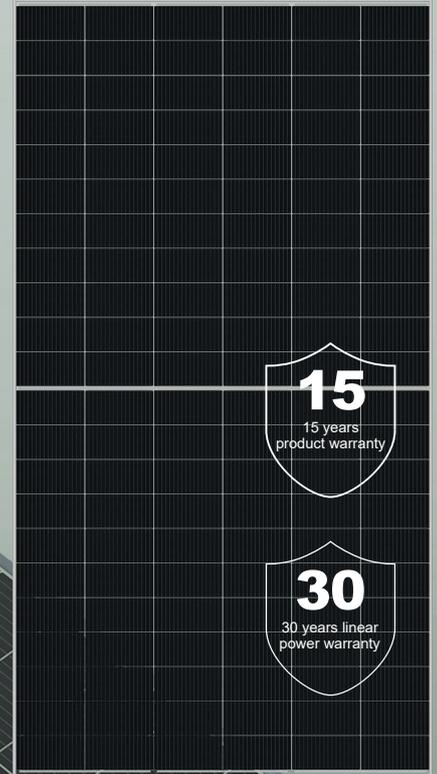
Bifacial Module designed for Agrivoltaic, Greenhouse

GHxxxG12RT-B66HST

620~635W

~2% 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

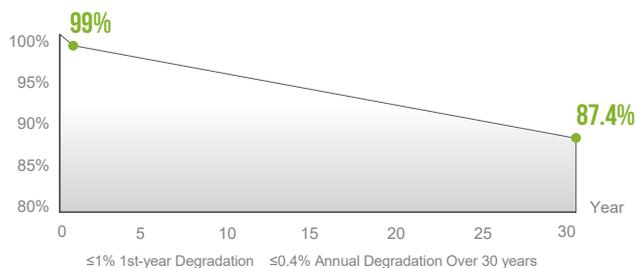
Optimized light consistency, mitigate shade impact for plants under solar module.



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

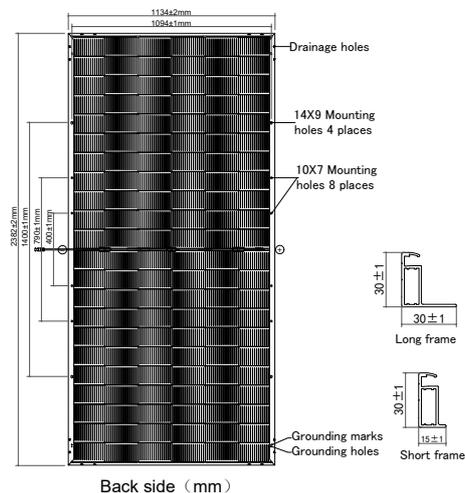
IEC 61215, IEC 61730
 Ammonia Corrosion (IEC 62716)
 Salt Mist Corrosion (IEC 61701)
 LeTID (IEC TS 63342)



GHxxxG12RT-B66HST

Module Specification

Cell Type	N type Mono-crystalline, 132(6x22)
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	3 Diodes, IP68 according to IEC 62790
Output Cables (Including Connector)	4mm ² / 110mm (+)/350mm(-) Length can be customized
Connector Type	PV-ZH202B



Electrical Specifications¹

Module Type	GH620G12RT-B66HST		GH620G12RT-B66HST		GH620G12RT-B66HST		GH620G12RT-B66HST	
	STC ²	NMOT ³	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	620	472	625	476	630	480	635	484
Maximum Power Current (Imp/A)	15.20	12.35	15.25	12.39	15.30	12.43	15.35	12.47
Maximum Power Voltage (Vmp/V)	40.85	38.33	41.05	38.52	41.25	38.70	41.45	38.89
Short-circuit Current (Isc/A)	16.11	12.99	16.17	13.03	16.23	13.08	16.29	13.13
Open-circuit Voltage (Voc/V)	49.09	47.25	49.29	47.44	49.49	47.63	49.69	47.82

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 Specifications¹ (BNPI²)

Nameplate Power (W)	620	625	630	635
Maximum Power (Pmax/W)	685	691	696	702
Maximum Power Current (Imp/A)	16.77	16.83	16.89	16.94
Maximum Power Voltage (Vmp/V)	40.90	41.10	41.30	41.50
Short-circuit Current (Isc/A)	17.72	17.79	17.86	17.92
Open-circuit Voltage (Voc/V)	49.10	49.30	49.50	49.70

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 °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)	2396x1140x1250
Pieces per Pallet	36
Pieces per Container	720



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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-G12RT-B66HST-20260226.

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