

G11RA-72P

N-type Bifacial Double Glass Module

HSM-BD72-GC635~665

665W

Maximum Power Output

24.6%

Maximum Efficiency



Higher energy density;
lower operating temperature



Lower hotspot temperature;
reduce risk of micro-cracks



Refined design,
Busbar-free front side



Comprehensive supply chain integration,
redefining BC standards

Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 ISO 9001:2015 ISO 45001:2018 ISO 14001:2015

Version No.: HC-N-HSM2025-0728-EN

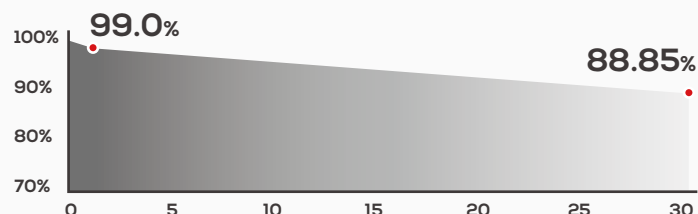
Linear Performance Warranty



15 Years
Product Warranty



30 Years Linear
Performance Warranty



* Please refer to product warranty for details

Electrical Parameters (STC* & BNPI*)

* STC: Irradiance 1000W/m², Cell Temperature 25°C, AM1.5, Measuring Tolerance: ±3%
* BNPI: Front Irradiance 1000W/m², Back Irradiance 135W/m², Ambient Temperature 25°C, AM1.5, Measuring Tolerance: ±3%

Testing Condition		STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power	P _{max} (W)	635	694	640	699	645	705	650	710	655	716	660	721
Open Circuit Voltage	V _{oc} (V)	53.70	53.84	53.80	53.92	53.90	54.06	54.00	54.15	54.10	54.25	54.20	54.33
Short Circuit Current	I _{sc} (A)	14.96	16.30	15.04	16.38	15.12	16.48	15.20	16.56	15.28	16.66	15.36	16.74
Maximum Power Voltage	V _{mp} (V)	45.00	44.98	45.10	45.07	45.20	45.20	45.30	45.29	45.40	45.41	45.50	45.49
Maximum Power Current	I _{mp} (A)	14.12	15.43	14.20	15.51	14.27	15.60	14.35	15.68	14.43	15.77	14.51	15.85
Module Efficiency	(%)	23.5		23.7		23.9		24.1		24.2		24.4	

Electrical Characteristics with Different Bifacial Gain*

* The additional gain from the back side depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

Bifacial Gain		5%	10%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
Maximum Power	P _{max} (W)	667	699	672	704	677	710	683	715	688	721	693	726
Open Circuit Voltage	V _{oc} (V)	53.70	53.70	53.80	53.80	53.90	53.90	54.00	54.00	54.10	54.10	54.20	54.20
Short Circuit Current	I _{sc} (A)	15.71	16.46	15.79	16.54	15.88	16.63	15.96	16.72	16.04	16.81	16.13	16.90
Maximum Power Voltage	V _{mp} (V)	45.00	45.00	45.10	45.10	45.20	45.20	45.30	45.30	45.40	45.40	45.50	45.50
Maximum Power Current	I _{mp} (A)	14.83	15.53	14.91	15.62	14.98	15.70	15.07	15.79	15.15	15.87	15.24	15.96

Temperature Coefficient

Nominal Module Operating Temperature*	43±2°C
Temperature Coefficient of I _{sc}	+0.05%/°C
Temperature Coefficient of V _{oc}	-0.22%/°C
Temperature Coefficient of P _{max}	-0.26%/°C

Operating Parameters

Operating Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A
Power Bifaciality	70±5%
Safety Protection Rating	Class II
Fire Rating	Class C

Mechanical Data

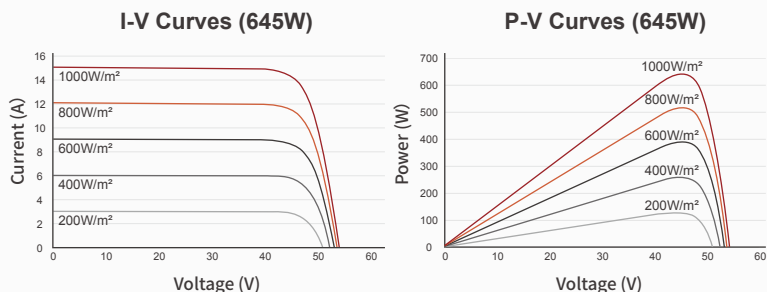
* Please refer to installation manual for details

No. of Cells	144pcs (6×24)
Dimension	2382×1134×30 mm
Weight	32.3kg ±3%
Front Glass	2.0mm, Heat Strengthened, AR coating Glass
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
J-Box	IP68, three diodes
Cables	4.0mm ² , +300mm, -200mm (can be customized)
Maximum Static Load	Front: 5400Pa/Back: 2400Pa*

Packaging Configuration

Modules per Pallet	36pcs
Modules per 40'HQ Container	720pcs
Pallets per 40'HQ Container	20pcs

Curve Graph



Engineering Drawing

[Unit: mm]

