

G12R-66P N-type Bifacial Double Glass Module

HSM-BD66-GR640~665

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

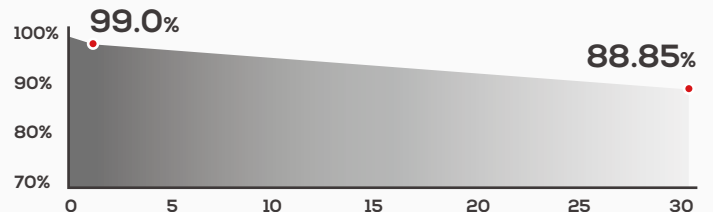
Linear Performance Warranty



15 Years
Product Warranty



30 Years Linear
Performance Warranty



Comprehensive Products and System Certificates



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

Electrical Parameters (STC*)

* STC: Irradiance 1000W/m², Cell Temperature 25°C, AM1.5, Measuring Tolerance: ±2%

Maximum Power	P _{max} (W)	640	645	650	655	660	665
Open Circuit Voltage	V _{oc} (V)	49.10	49.20	49.30	49.40	49.50	49.60
Short Circuit Current	I _{sc} (A)	16.48	16.55	16.62	16.69	16.76	16.83
Maximum Power Voltage	V _{mp} (V)	41.80	41.90	42.00	42.10	42.20	42.30
Maximum Power Current	I _{mp} (A)	15.32	15.40	15.48	15.56	15.65	15.73
Module Efficiency	(%)	23.7	23.9	24.1	24.2	24.4	24.6

Temperature Coefficient

* NMOT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

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%

Mechanical Data

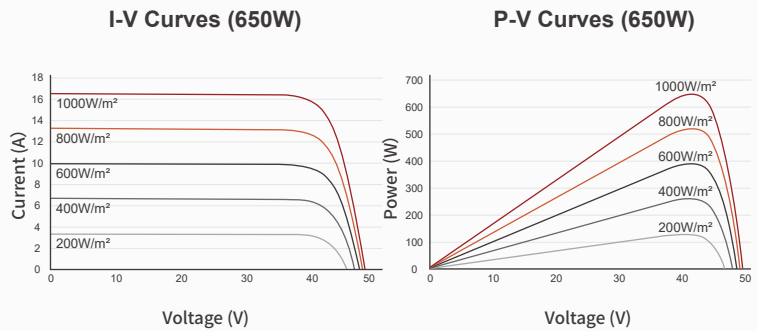
* Please refer to installation manual for details

No. of Cells	132pcs (6 × 22)
Dimension	2382 × 1134 × 30 mm
Weight	33.5kg ± 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 , +350mm, -280mm (can be customized)
Maximum Static Load	Front: 5400Pa/Back: 2400Pa*
Fire Rating	IEC Class C

Packaging Configuration

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

Curve Graph



Engineering Drawing

[Unit: mm]

