

HJT SOLAR PANEL

Half Cell Monocrystalline Module

625W - 715W

Double Glass



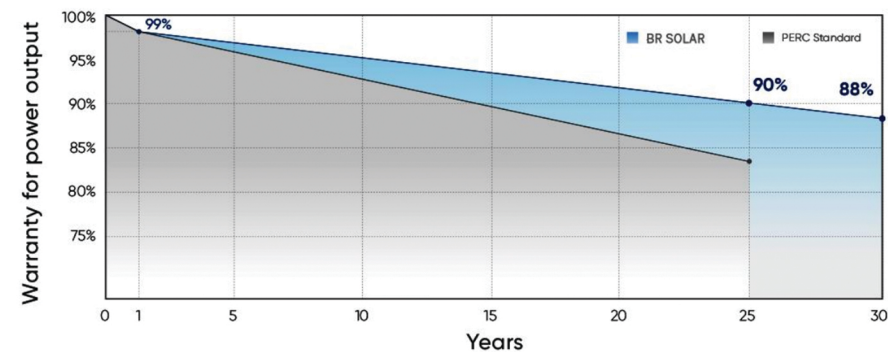
Quality Guarantee

25-Year Warranty

for Materials and Processing

30-Year Warranty

for Extra Linear Power Output



HJT 2.0 Technology

Combining gettering process and single-side $\mu\text{-Si}$ technology to ensure higher cell efficiency and higher module power.

-0.26%/°C Pmax temperature coefficient

More stable power generation performance and even better in hot climate.

SMBB design with Half-Cut Technology

Shorter current transmission distance, less resistive loss and higher cell efficiency.

Up to 90% Bifaciality

Natural symmetrical bifacial structure bringing more energy yield from the backside.

Sealing with PIB based sealant

Stronger water resistance, greater air impermeability to extent module lifespan.

Quality Management System & Product Certification

IEC61215/61730, IEC62804(PID), IEC61701(Salt),
IEC62716 (Ammonia), IEC60068-2-68(Sand),
ISO 9001:2015/quality management system.
ISO 14001:2015/environmental management system.
ISO 45001:2018/ occupation health safety management system.
ISO 50001:2011/ energy management system.
IEC TS 62941-2016/PV industry quality management system.

Mechanical Data

Solar Cells	HJT Mono 210×105mm
No. of Cells	132 (6×22)
Dimensions	2384 × 1303 × 35mm
Weight	37.8kg
Glass Thickness	(F) 2.0mm anti-reflective solar glass (B) 2.0mm solar glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Output Cables	4mm ² , 300mm in length, length can be customized / UV resistant
Connectors	MC4 original /MC4 compatible
Mechanical load test	5400Pa
Packaging	31pcs/box, 558pcs/40'HQ

Electrical Specification (STC*)

Module Type:	BRM-695	BRM-700	BRM-705	BRM-710	BRM-715
Maximum Power (Pmax/W)	695	700	705	710	715
Module Efficiency (%)	22.37	22.53	22.70	22.86	23.02
Optimum Operating Voltage (Vmp/V)	41.95	42.10	42.25	42.39	42.54
Optimum Operating Current (Imp/A)	16.57	16.63	16.69	16.75	16.81
Open Circuit Voltage (Voc/V)	49.98	50.13	50.29	50.44	50.59
Short Circuit Current (Isc/A)	17.37	17.43	17.49	17.55	17.61

Electrical Specification (NMOT*)

Maximum Power (Pmax/W)	765	770	775	780	785
Optimum Operating Voltage (Vmp/V)	41.95	42.10	42.25	42.39	42.54
Optimum Operating Current (Imp/A)	18.24	18.29	18.35	18.41	18.46
Open Circuit Voltage (Voc/V)	49.98	50.13	50.29	50.44	50.59
Short Circuit Current (Isc/A)	19.12	19.17	19.22	19.28	19.33

*STC: Irradiance 1000 W/m², cell temperature 25°C, AM=1.5. Tolerance of Pmax is within +/- 3%.

*BSC: Front side irradiation 1000W/m², back side reflection irradiation 135W/m², AM=1.5, ambient temperature 25°C.

3%.

Operating Characteristics

Operating Module Temperature	-40°C ~ +85°C
Maximum System Voltage	DC 1500 (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	0~+5W
Bifaciality	85%±5%

Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44±2°C
Temperature Coefficient of Pmax	-0.26%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	0.04%/°C