



BQ SOLAR

Better Quality • More profits



BQ132-210HBM

695~715W

Power output

132-N type TOPCon

Cells Mono-crystalline

0~+5W

Tolerance

23.02%

The Highest Efficiency

BQ132-210HBM series is produced with high efficiency multi-busbar cells, which can reduce the module internal power loss to improve its conversion efficiency, as well as lower the failure risk caused by cracks and broken busbar to enhance the module reliability. Combined with half-cell technology, the module is highly resistant to hot-spot crisis caused by shadow effect.



KEY FEATURES



Up to 715W front power and 23.02% module efficiency with half-cut and MBB (Multi Busbar) technology bringing more BOS savings. Reduce BOS cost with higher power bin and 1500V system voltage.



Better anti-shading performance and lower operating temperature.



High standard Production, thinner wires that appear all black at a distance.



Excellent IAM and low light performance. Lower temp co-efficient (-0.34%) and NOCT bring more energy leading to lower LCOE.



Ensured PID resistance through cell process and module material control. Resistant to salt, acid and ammonia. Mechanical performance: Up to 5400 Pa positive load and 2400 Pa negative load.

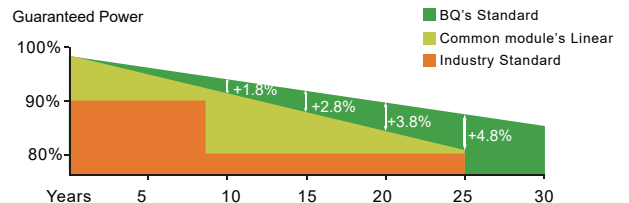
LINEAR PERFORMANCE WARRANTY

12
YEAR

Product Warranty

30
YEAR

30 year Linear Power Warranty



Additional value from jahoray's Linear Warranty
0.5% Annual Degradation over 30 years



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ELECTRICAL DATA(STC)

Rated Power in Watts-Pmax(Wp)	695	700	705	710	715
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
Maximum Power Voltage-Vmp (V)	41.95	42.10	42.25	42.39	42.54
Maximum Power Current-Imp(A)	16.57	16.63	16.69	16.75	16.81
Module Efficiency (%)	22.37	22.53	22.70	22.86	23.02

STC Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3

BSTC

Maximum Power-Pmax (Wp)	765	770	775	780	785
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
Maximum Power Voltage-Vmp(V)	41.95	42.10	42.25	42.39	42.54
Maximum Power Current-Imp(A)	18.24	18.29	18.35	18.41	18.46

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

MECHANICAL DATA

Solar Cells	TOPCon Mono 210*105mm
Cell Configuration	132 Cells(6*22)
Module Dimensions	2384x1303x35mm
Weight	38.7KG
Front Cover	2.0m , Tempered Glass
Frame	35 mm (inches) Anodized Aluminium Alloy
J-BOX	IP 68 rated
Cable	4mm ² (IEC)/12AWG(UL), 300mm
Connectors	customized MC4 EVO2/TS4*

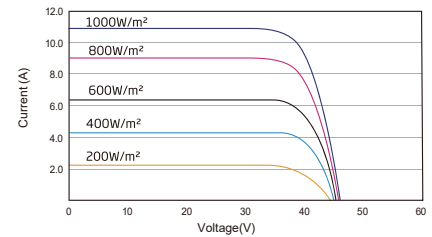
TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature(NOCT)	43°C± 2°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.25%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V(IEC)
Max Series Fuse Rating	35A

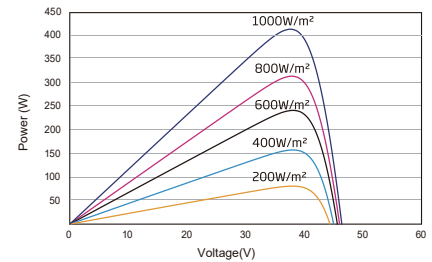
PACKAGING CONFIGURATION

Container Size	40HQ
Modules Per Container	558pcs
Modules Per Pallet/Carton	31pcs/pallet
Pallet/Carton Per Container	18pallets

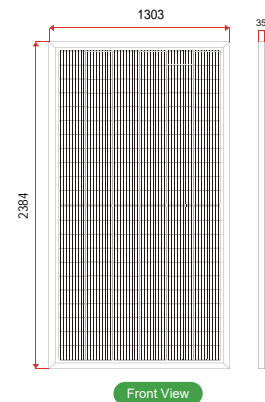
I-V CURVES OF PV MODULE



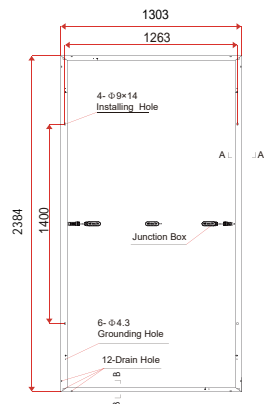
P-V CURVES OF PV MODULE



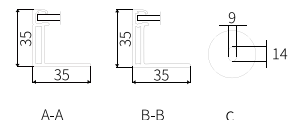
DIMENSIONS OF PV MODULE(mm)



Front View



Back View



A-A

B-B

C

