BM-PM Series | BM 210P-110HW

Stock code: 002514

BOAMAX

Single Glass Monocrystalline Module

BM 210P-110HW

Single glass series

Efficient bifacial PERC monocrystalline silicon half cells PV module

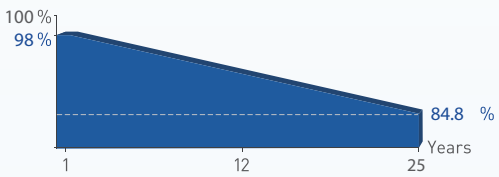
555 W	21.2%	0~+5 W
Maximum output power	Maximum efficiency	Power tolerance

Boamax's long-term stable quality is trustworthy

- Automatic production line and leading photovoltaic technology
- Passed various long-term reliability tests
- EL testing is performed respectively before and after lamination, ensuring the reliability of the modules.
- Strict execute international standard management systems, including ISO 9001, ISO 14001, and ISO 45001.

- Multi-Busbar welding design,optimizes optical and electrical properties of modules
- EVA sealing, enables effective resistance to various harsh environments
- Fire-proof grade A, ensure more safety
- The cell slicing technology .Significantly reduces the string current, reduces the loss of internal conversion efficiency, and effectively reduces BOS and LCOE
- Optimized packaging materials and strict process scheme ensure the PID resistance of modules
- Advanced non-destructive slicing technology, with small cell damage and reduce the risk of cracking

Industry leading linear warranty



12year Product Warranty 25year Power warranty

Excellent warranty, with a commitment to a 25-year power warranty and a linear power attenuation of 0.55%

BM-PM Series BM210P-110HW | Single Glass Monocrystalline Module | 535-555W

Electrical Data (STC)

Peak Power	Pmax(W)	535	540	545	550	555
OMaximum Power Voltage	Vmp(V)	31.00	31.20	31.40	31.60	31.8
Maximum Power Current	Imp(A)	17.28	17.33	17.37	17.40	17.45
Open Circuit Voltage	Voc(V)	37.30	37.50	37.70	37.90	38.1
Short Circuit Current	Isc(A)	18.36	18.41	18.47	18.52	18.56
Module Efficiency	(%)	20.44	20.63	20.82	21.01	21.20
Power Tolerance	(W)			0~+5		

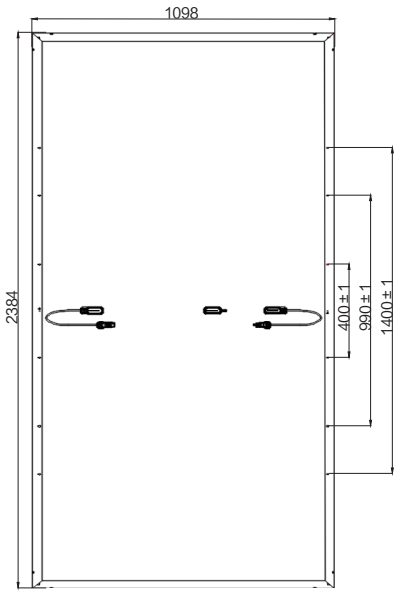
*STC : atmospheric mass AM1.5, irradiance 1000 W/m², cell temperature 25 °C

Electrical Data (NMOT)

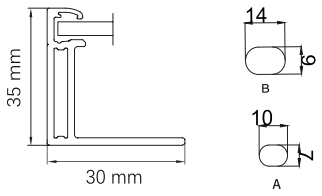
Peak Power	Pmax(W)	405.0	409.0	413.0	417.0	420.0
Maximum Power Voltage	Vmp(V)	28.90	29.00	29.20	29.3	29.50
Maximum Power Current	Imp(A)	14.01	14.10	14.15	14.19	14.23
Open Circuit Voltage	Voc(V)	35.10	35.30	35.50	35.70	35.90
Short Circuit Current	Isc(A)	14.8	14.84	14.88	14.92	14.96

*NMOT : irradiance 800 W/m² ambient temperature 20 °C, wind speed 1 m/s

Module Dimension



Back View

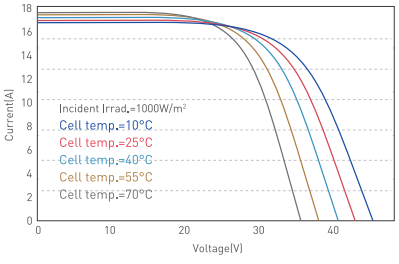


Structural Parameters

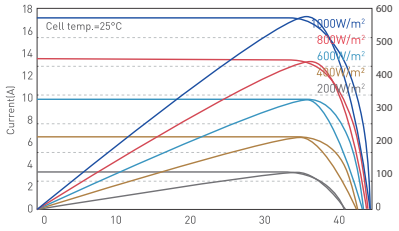
Number of Cells	110 pieces (5*22)
Module Dimension	2384*1098*35mm
Weight	28.6kg
Front Glass	3.2mm, high transparency coated glass
Rear Panel	White
Frame	Anodized Aluminum alloy
Junction Box	IP68 rated
Cable	4mm², 300mm in length , length can be customized
Number of Diodes	3
Wind Pressure/Snow Pressure	2400 Pa/5400 Pa
Connector	MC4

Curve Chart

I-V curves at different temperatures (555W)



I-V curves/P-V curves at different irradiance (555W)



Temperature Characteristic

Nominal operating cell temperature	45+2°C
Temperature coefficient (Isc)	+0.05%/°C
Temperature coefficient (Voc)	-0.28%/°C
Temperature coefficient (Pmax)	-0.34%/°C

Limit Parameters

Operating temperature	-40~+85°C
Maximum system voltage	1500V DC
Maximum rated current of fuse	30A

Packing Method

Modules per box	31 pieces
Modules per 40' container	558 pieces

Optional Configuration

Connector	Original PV