

TOPCON

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Learn more about the production of 182mm Mono PV Module


RAL8001


BENY390M10


390 Watt


182mm 108Cells Orange-colored TOPCon Mono Half Cell PV Module Series




 Orange-colored glass and frame


 Suitable for red/orange roof buildings


 PV facade with innovative compositions

 SMBB Technology Half Cut TOPCon Cell

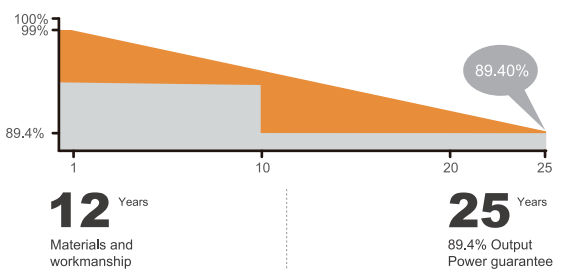
 Anti PID

 Excellent Low-light Performance

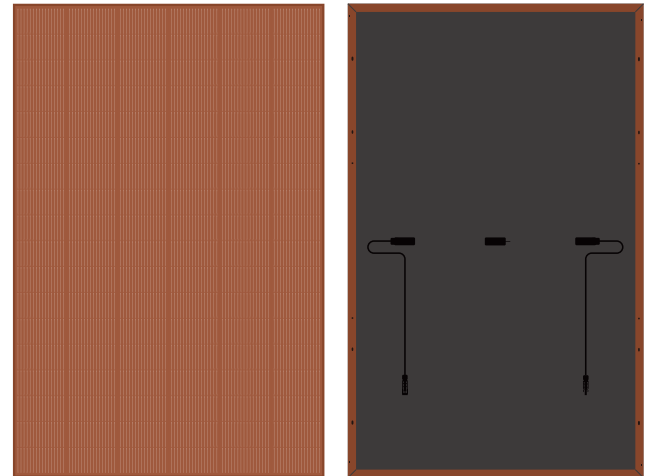
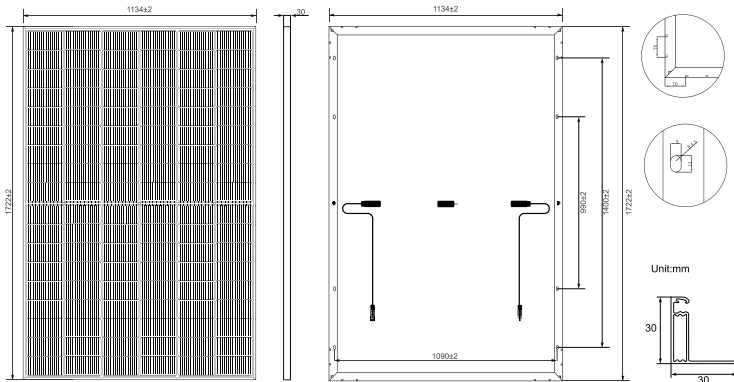
 100% Inspection Guarantee Reliability

 Strengthened Mechanical Load

BENY TOPCon Linear Warranty



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All Dimensions in mm
The above drawing is a graphical representation of the product.

Transparent backsheet is available.
Bifacial Solar PV Modules can be customized.

Electrical Characteristics (STC)

Module Type	BENY390M10
	STC
Maximum Power- Pmax(W)	390
Open Circuit Voltage - Voc(V)	38.12
Short- Circuit Current - Isc(A)	12.46
Voltage at Pmax -Vmp(V)	32.15
Current at Pmax - Imp(A)	12.19
Module Efficiency - η m(%)	19.97
Power Tolerance(W)	(0, +4.99W)
Maximum System Voltage(V)	1500Vdc (IEC / UL)
Maximum Series Fuse Rating (A)	25A

STC : Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

Mechanical Specifications

External Dimensions	1722x1134x30mm
Weight	20.5kg
Solar Cells	Mono crystalline 182mm (2x54pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 1200mm (+), 1200mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Packing Configuration

	1722x1134x30mm	
Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	6	26
Pieces per Container	216	936

Temperature Characteristics

Pmax Temperature Coefficient	-0.290%/°C
Voc Temperature Coefficient	-0.250%/°C
Isc Temperature Coefficient	+0.045%/°C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C

Current-Voltage & Power-Voltage Curves (BENY390M10)

