

455W

High efficiency PERC solar module - Tier1

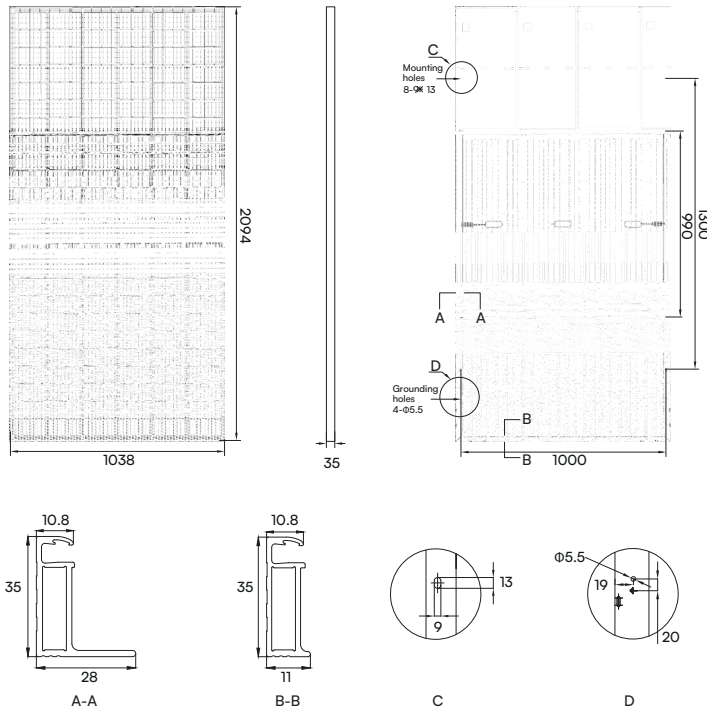
SKU: 11607

Output power

1st Year ≥ 98.00%	12th Year ≥ 91.95%	25th Year ≥ 84.80%
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12-year product materials and workmanship quality warranty

ENGINEERING DRAWING



MECHANICAL PARAMETERS

Cell (mm)	166*83 PERC
Dimensions (L*W*H) (mm)	2094*1038*35
Weight (kg)	22.9
Cable Cross Section Size (mm ²)	4
No. of Cells & Connections	144(6*24)
No. of Diodes	3
Frame	Anodized Aluminium Alloy
Glass Thickness (mm)	3.2

QUALIFICATION

Temperature Cycling Range (°C)	-40~+85
Max. Series Fuse Rating (A)	20
Max.Wind Load/Max.Snow Load (Pa)	2400/5400
Hot Spot Rate	100% Free
Fire Rating	Class C
Junction Box & Connector Protection Grade	IP68

TEMPERATURE COEFFICIENTS

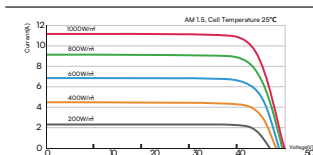
Nominal Module Operating Temperature (NMOT)	43±2°C
Temperature Coefficient Voltage (Voc)	-0.29 %/°C
Temperature Coefficient Current (Isc)	0.04 %/°C
Temperature Coefficient Power (Pm)	-0.35 %/°C

ELECTRICAL PARAMETERS

STC AM1.5 1000W/m ² Cell Temperature 25°C	Max. Power at STC (Pmpp/W)	455
	Output Tolerance (W)	0-+5
	Max. Power Voltage (Vmp/V)	41.56
	Max. Power Current (Imp/A)	10.96
	Open Circuit Voltage (Voc/V)	50.18
	Short Circuit Current (Isc/A)	11.58
	Module Efficiency (%)	20.93
NMOT AM1.5 800W/m ² Ambient Temperature 20°C Wind Speed 1m/s	Max. Power (Pmpp/W)	342.5
	Max. Power Voltage (Vmp/V)	39.06
	Max. Power Current (Imp/A)	8.77
	Open Circuit Voltage (Voc/V)	47.37
	Short Circuit Current (Isc/A)	9.32

*Measurement tolerance Pmax:±3%, Voc:±3%, Isc: ±5%.

I-V CURVE (455W)



PACKING CONFIGURATION

Pieces Per Pallet	31
Pallets Per Container	22
Pieces Per Container	682

Default

Optional

Connector Type	<input type="checkbox"/> MC4Compatible	<input type="checkbox"/> MC4
Cable Length	<input type="checkbox"/> 400mm/200mm	<input type="checkbox"/> Customized
Frame Color	<input type="checkbox"/> Silver	<input type="checkbox"/> Black
Max. System Voltage	<input type="checkbox"/> 1500V	<input type="checkbox"/> 1000V