

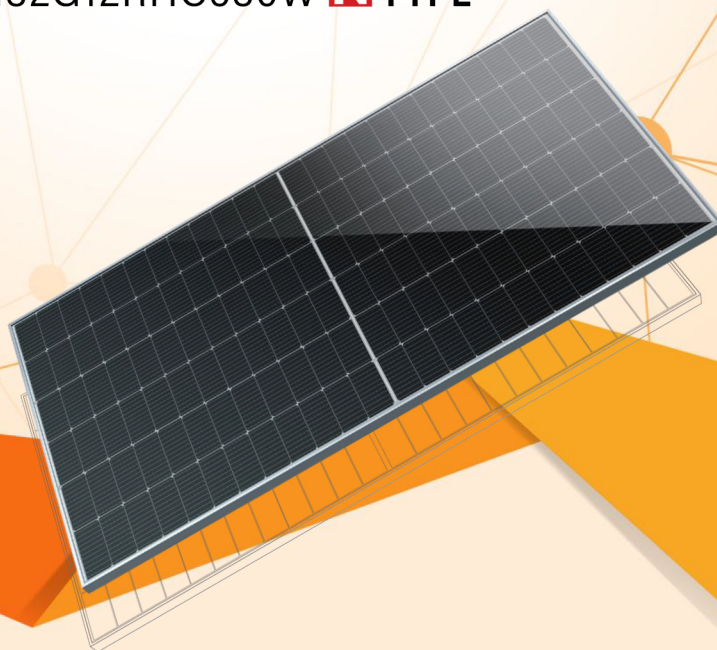


WORLD ENERGY

TOPCon Mono-crystalline PV Module

210R Cell-16BB | Non-destructive Cut | Bifacial

Module Type: WE-132G12RHC630W **N** TYPE



High Power High Compatibility

Outstanding performance in weak-light conditions, lower operating temperature

Different types of modules are suitable for various application scenarios



Product
Warranty



Performance
Warranty (Monofacial)



Performance
Warranty (Bifacial)



Mono-crystalline Solar PV Modules



M210R-66N
TOPCon

630W

WE-132G12RHC630W

23.3%

Module efficiency

TOPCon Mono-crystalline Bifacial Module

Electrical Specifications

Module Type		WE-132G12RHC630W		
STC: AM1.5 Temperature 25°C Irradiance 1000 W/m ²	Peak Power(Pmax)±3%	(W)	630	
	Power Tolerance	(W)	0~+5	
	Max.Power Voltage(Vmp)	(V)	41.98	
	Max.Power Current(Imp)	(A)	15.01	
	Open-circuit Voltage(Voc)±3%	(V)	48.71	
NMOT: AM1.5 Temperature 20°C Wind speed 1m/s Irradiance 800 W/m ²	Short-circuit Current(Isc)+3%	(A)	16.03	
	Peak Power(Pmax)±3%	(W)	473.8	
	Max.Power Voltage(Vmp)	(V)	39.04	
	Max.Power Current(Imp)	(A)	12.13	
	Open-circuit Voltage(Voc)	(V)	45.30	
	Short-circuit Current(Isc)	(A)	12.96	
Operating Temperature		(°C)	-40~+85	
Max. Series Fuse Rating		(A)	30	
Max. System Voltage(DC)		(V)	1500 (IEC)	

Mechanical Specifications

Solar Cells	N-Mono-182*105mm
Arrangement	Type-6*11*2
Front Glass	2.0mm tempered glass
Back Glass	2.0mm tempered glass
Frame	Composite frame
Junction Box	IP68, 3 diodes
Cables	4.0mm ² photovoltaic cables
Connectors	MC4 compatible/IP68
Maximum Load Capacity	Snow-5400Pa/Wind-2400Pa
Safety Rate	Class II (IEC)
Fire Rate	Class C (TUV)

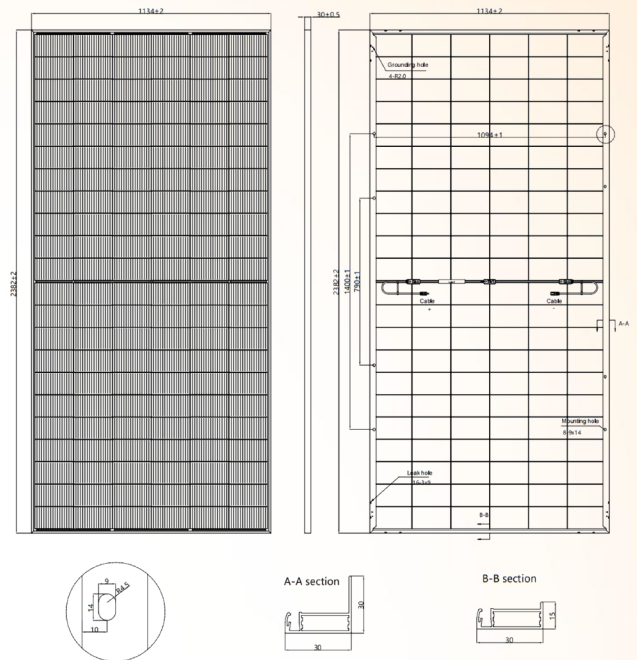
Packing Configuration

Package Weight & Size	1210Kg/pallet & 2410*1140*1265mm			
20'GP Container	2 pcs/carton	150 cartons/20'GP	300 pcs	
40'HQ Container	37 pcs/pallet	20 pallets/40'HQ	740 pcs	
13.5m Land Truck	37 pcs/pallet	22 pallets/truck	814 pcs	

Dimensions of PV Module

Module Dimensions 2382*1134*30mm

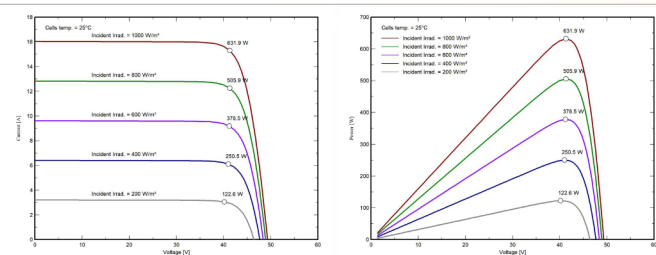
Module Weight 31.8 kg(±3%)



Temperature Characteristics

Temperature Coefficient (Pmax)	δ[%/°C]	-0.30
Temperature Coefficient (Voc)	β[%/°C]	-0.25
Temperature Coefficient (Isc)	α[%/°C]	+0.05
Nominal Operating Cell Temperature	NMOT	45°C±2°C

I-V & P-V Curves



Current-Voltage Characteristic

Power-Voltage Characteristic

Different Backside Power Gain

Power Gain		5%	15%	25%
Maximum Power(Pmax)	(W)	661.5	724.5	787.5
Max.Power Voltage(Vmp)	(V)	41.98	41.98	41.98
Max.Power Current(Imp)	(A)	15.76	17.26	18.76
Open-circuit Voltage(Voc)	(V)	48.71	48.71	48.71
Short-circuit Current(Isc)	(A)	17.19	18.83	20.46



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