

TOPCon Mono-crystalline PV Module

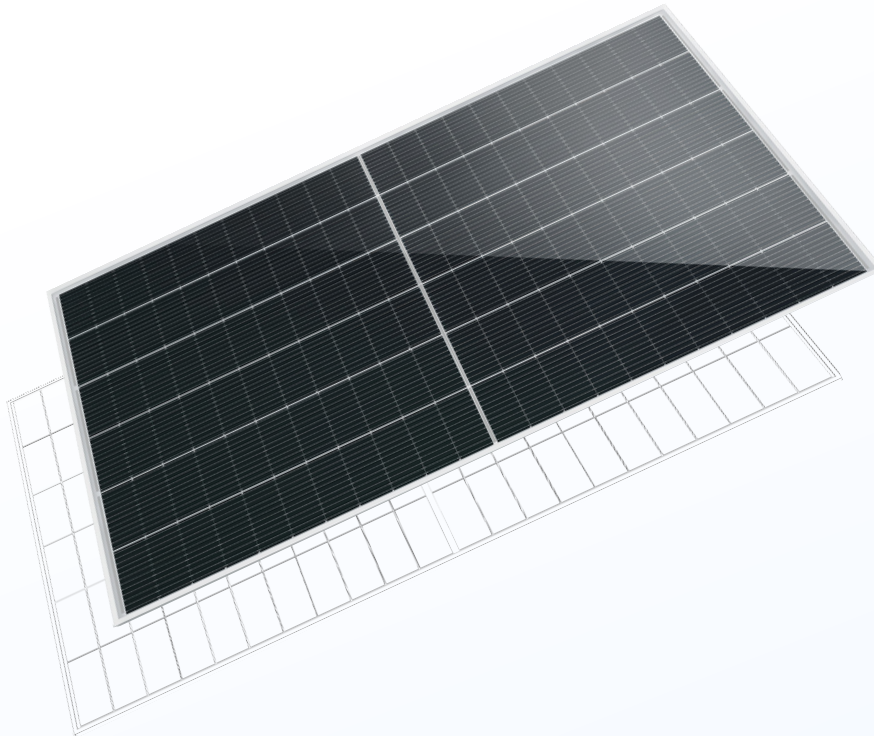
210R Cell | Non-destructive Cut | Bifacial

Module Type: BCT-600G12RNHB-132

600W

**POTENCIA
VERDE®**

WIND • SOLAR & CONTRACTORS



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
(Bifacial)



Mono-crystalline Solar PV Modules

**M210R-66N
TOPCon****600W****22.0%**

Module efficiency

BCT-600G12RNHB-132

TOPCon Mono Bifacial Module

Electrical Specifications

Module Type		BCT-600G12RNHB-132	
STC: AM1.5 Temperature 25°C Irradiance 1000 W/m ²	Peak Power(Pmax) ± 3%	(W)	600
	Power Tolerance	(W)	0~+4.99
	Max.Power Voltage(Vmp)	(V)	39.60
	Max.Power Current(Imp)	(A)	15.15
	Open-circuit Voltage(Voc) ± 3%	(V)	47.19
NMOT: AM1.5 Temperature 20°C Wind speed 1m/s Irradiance 800 W/m ²	Short-circuit Current(Isc) + 3%	(A)	16.11
	Peak Power(Pmax) ± 3%	(W)	451.2
	Max.Power Voltage(Vmp)	(V)	36.83
	Max.Power Current(Imp)	(A)	12.25
	Open-circuit Voltage(Voc)	(V)	43.89
Operating Temperature	Short-circuit Current(Isc)	(A)	13.03
		(°C)	-40~+85
Max. Series Fuse Rating		(A)	30
Max. System Voltage(DC)		(V)	1500 (IEC)

Mechanical Specifications

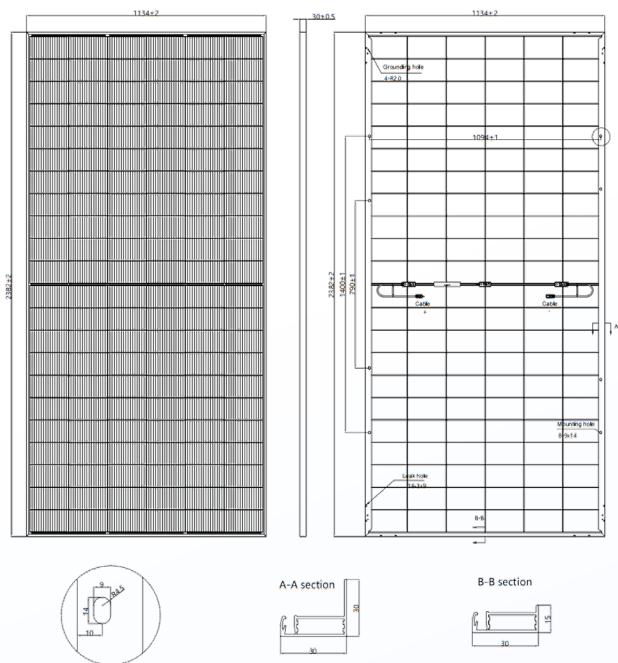
Solar Cells	N-Topcon-Mono-210R
Arrangement	Type-6*11*2
Front Glass	2.0mm tempered glass
Back Glass	2.0mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cables	4.0mm ² photovoltaic cables
Connectors	MC4 compatible/IP68
Maximum Load Capacity	Snow-5400Pa/Wind-2400Pa
Safety Rate	Class II (IEC)
Fire Rate	Class C (TUV)
Bifaciality	80±5%

Packing Configuration

Package Weight	1215Kg/pallet		
Package Size	2395*1140*1265mm		
20'GP Container	/	/	/
40'HQ Container	37 pcs/pallet	20 pallets/40'HQ	740 pcs

Dimensions of PV Module(mm)

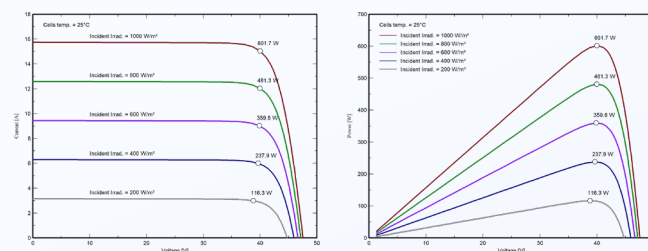
Module Dimensions	2382(±2)*1134(±2)*30mm
Module Weight	32.0 kg(±3%)



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)	630.0	690.0	750.0
Max.Power Voltage(Vmp)	(V)	39.60	39.60	39.60
Max.Power Current(Imp)	(A)	15.91	17.42	18.94
Open-circuit Voltage(Voc)	(V)	47.19	47.19	47.19
Short-circuit Current(Isc)	(A)	16.90	18.51	20.12