

TOPCon Mono-crystalline PV Module

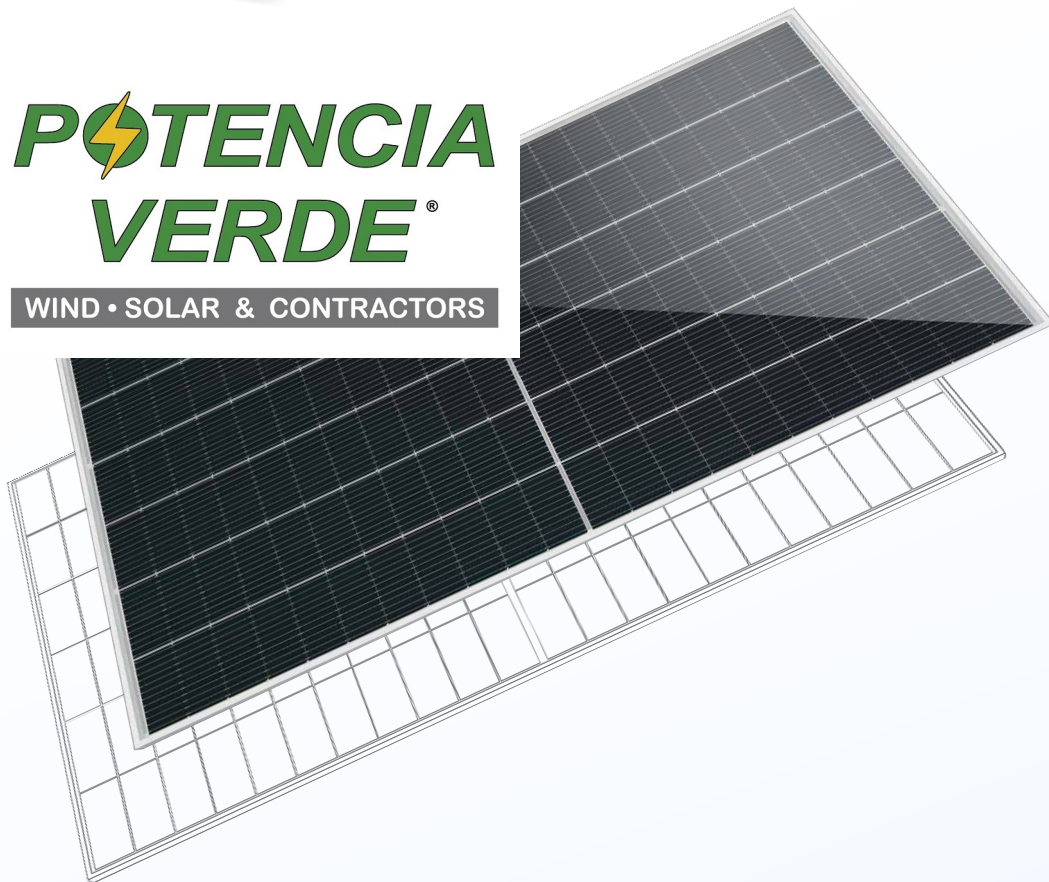
210R Cell | Non-destructive Cut | Bifacial

Module Type: BCT-630G12RNHB-132

630W

**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

630W

23.3%
Module efficiency

BCT-630G12RNHB-132

TOPCon Mono-crystalline Bifacial Module

Electrical Specifications

Module Type		BCT-630G12RNHB-132		
STC: AM1.5 Temperature 25°C Irradiance 1000 W/m²	Peak Power(Pmax)±3%	(W)	630	
	Power Sorting	(W)	0~+4.99	
	Max.Power Voltage(Vmp)	(V)	40.52	
	Max.Power Current(Imp)	(A)	15.55	
	Open-circuit Voltage(Voc)±3%	(V)	48.11	
NMOT: AM1.5 Temperature 20°C Wind speed 1m/s Irradiance 800 W/m²	Short-circuit Current(Isc)+3%	(A)	16.47	
	Peak Power(Pmax)±3%	(W)	473.8	
	Max.Power Voltage(Vmp)	(V)	37.68	
	Max.Power Current(Imp)	(A)	12.57	
	Open-circuit Voltage(Voc)±3%	(V)	44.74	
Short-circuit Current(Isc)±3%		(A)	13.32	
Operating Temperature		(°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	4.0mm² photovoltaic cables
Connectors	MC4 compatible/DC 1500V
Maximum Load Capacity	Snow-5400Pa/Wind-2400Pa
Safety Rate	Class II (IEC)
Fire Rate	Class C (TUV)
Bifaciality	80±5%

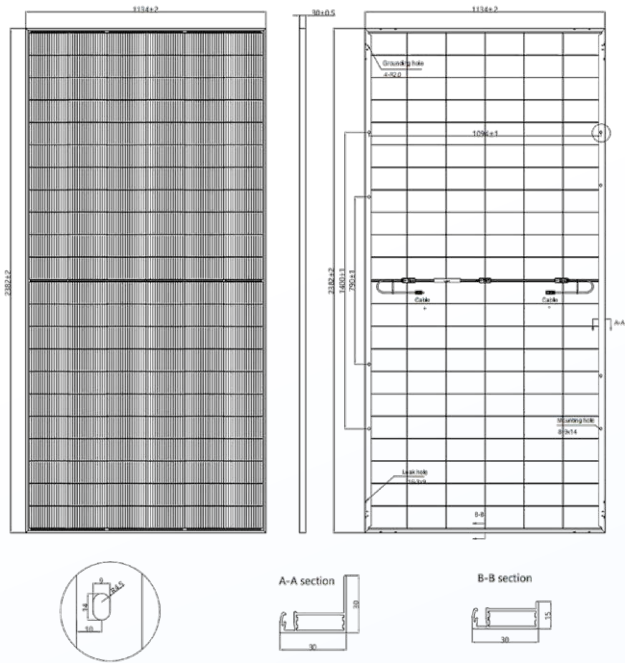


Packing Configuration

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

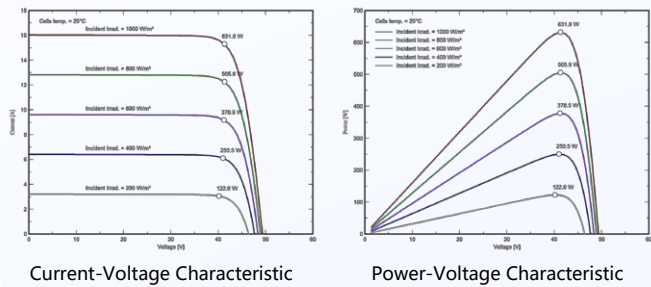
Module Dimensions	2382(±2)*1134(±2)*30mm
Module Weight	32.0 kg(±3%)



Temperature Characteristics

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

I-V & P-V Curves



Different Backside Power Gain

Power Gain		5%	15%	25%
Maximum Power(Pmax)	(W)	661.5	724.5	787.5
Max.Power Voltage(Vmp)	(V)	40.52	40.52	40.52
Max.Power Current(Imp)	(A)	16.33	17.88	19.43
Open-circuit Voltage(Voc)	(V)	48.11	48.11	48.11
Short-circuit Current(Isc)	(A)	17.40	19.06	20.72