



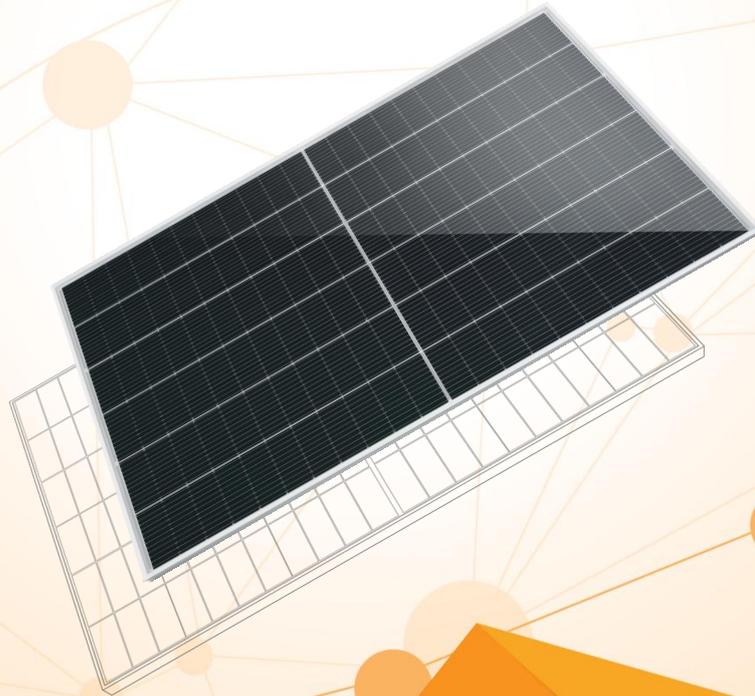
Ningbo Zhongyi New Energy Co., Ltd.

Ningbo Reneled New Energy Co., Ltd.

HJT Mono-crystalline PV Module

210 Cell-20BB or 18BB | Edge passivation process | Bifacial

Module Type: ZY-G12HN-60 | ZY-G12HN-66



High Power High Compatibility

Outstanding performance in weak-light conditions, lower operating temperature

Different types of modules are suitable for various application scenarios



Performance
Warranty (Monofacial)



Performance
Warranty (Bifacial)



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M210-66N
HJT

700W

ZY700G12HNHB-132

HJT Mono-crystalline Bifacial Module

22.5%

Module efficiency

Electrical Specifications

Module Type		ZY700G12HNHB-132	
STC: AM1.5 Temperature 25°C Irradiance 1000 W/m ²	Peak Power(Pmax)±3%	(W)	700
	Power Tolerance	(W)	0~+5
	Max.Power Voltage(Vmp)	(V)	41.78
	Max.Power Current(Imp)	(A)	16.76
	Open-circuit Voltage(Voc)±3%	(V)	49.77
NMOT: AM1.5 Temperature 20°C Wind speed 1m/s Irradiance 800 W/m ²	Short-circuit Current(Isc)+3%	(A)	17.81
	Peak Power(Pmax)±3%	(W)	534.3
	Max.Power Voltage(Vmp)	(V)	39.9
	Max.Power Current(Imp)	(A)	13.39
	Open-circuit Voltage(Voc)	(V)	47.5
	Short-circuit Current(Isc)	(A)	14.23
Operating Temperature		(°C)	-40~+85
Max. Series Fuse Rating		(A)	35
Max. System Voltage(DC)		(V)	1500 (IEC)

Mechanical Specifications

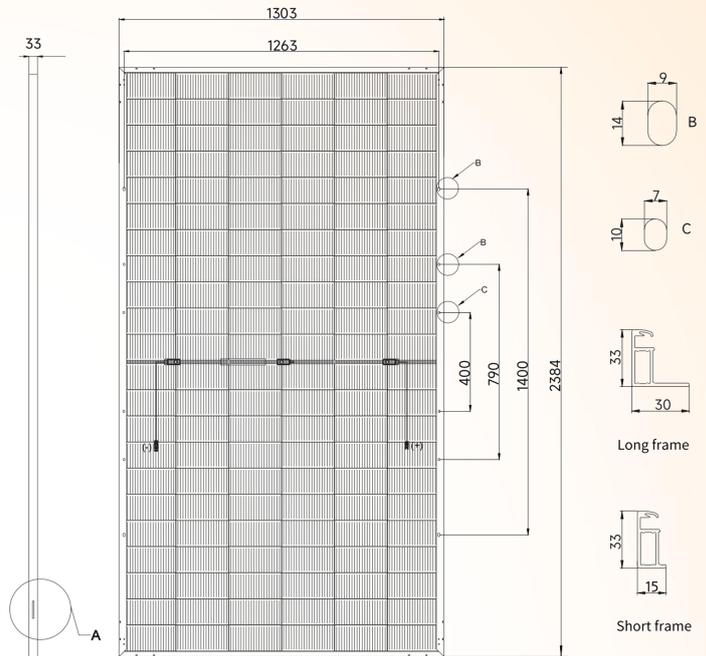
Solar Cells	N-type HJT-Mono-210*105mm
Arrangement	Type-6*11*2
Front Glass	2.0mm tempered glass
Back Glass	2.0mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cables	4.0mm ² photovoltaic cables
Connectors	MC4 compatible/IP68
Maximum Load Capacity	Snow-5400Pa/Wind-2400Pa
Safety Rate	Class II (IEC)
Fire Rate	Class C (TUV)
Bifaciality	90±5%

Packing Configuration

Package Weight & Size	1260Kg/pallet & 1320*1125*2520mm		
20'GP Container	/	/	/
40'HQ Container	33 pcs/pallet	18 pallets/40'HQ	594 pcs
13.5m Land Truck	33 pcs/pallet	20 pallets/truck	660 pcs

Dimensions of PV Module

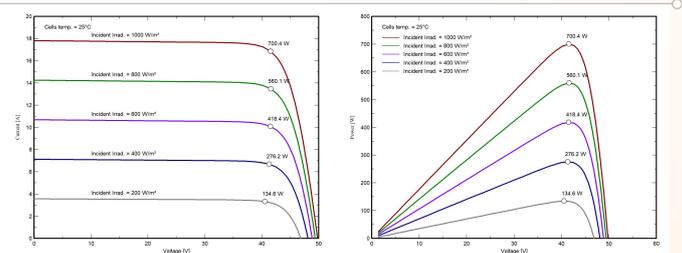
Module Dimensions	2384(±2)*1303(±2)*33mm
Module Weight	37.2 kg(±3%)



Temperature Characteristics

Temperature Coefficient (Pmax)	δ[%/°C]	-0.24
Temperature Coefficient (Voc)	β[%/°C]	-0.22
Temperature Coefficient (Isc)	α[%/°C]	+0.04
Nominal Operating Cell Temperature	NMOT	44°C±2°C

I-V & P-V Curves



Current-Voltage Characteristic

Power-Voltage Characteristic

BSTC

Maximum Power(Pmax)	(W)	785
Max.Power Voltage(Vmp)	(V)	41.92
Max.Power Current(Imp)	(A)	18.73
Open-circuit Voltage(Voc)	(V)	49.94
Short-circuit Current(Isc)	(A)	19.97

BSTC: AM1.5, 1000W/m², 135W/m², 25°C



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