

Mono-crystalline Solar PV Modules

G12R

160W

ZJNAC-160MS

Mono Single Glass Module

20.7%

Module efficiency

Electrical Specifications

Module Type		ZJNAC-160MS	
STC: AM1.5 Temperature 25°C Irradiance 1000 W/m ²	Peak Power(Pmax)±3%	(W)	160
	Power Tolerance	(W)	0~+5
	Max.Power Voltage(Vmp)	(V)	21.28
	Max.Power Current(Imp)	(A)	7.52
	Open-circuit Voltage(Voc)±3%	(V)	25.41
	Short-circuit Current(Isc)+3%	(A)	7.88
NMOT: AM1.5 Temperature 20°C Wind speed 1m/s Irradiance 800 W/m ²	Peak Power(Pmax)±3%	(W)	119.7
	Max.Power Voltage(Vmp)	(V)	17.11
	Max.Power Current(Imp)	(A)	6.99
	Open-circuit Voltage(Voc)	(V)	20.67
	Short-circuit Current(Isc)	(A)	7.33
Operating Temperature		(°C)	-40~+85
Max. Series Fuse Rating		(A)	15
Max. System Voltage(DC)		(V)	1000(IEC)

Mechanical Specifications

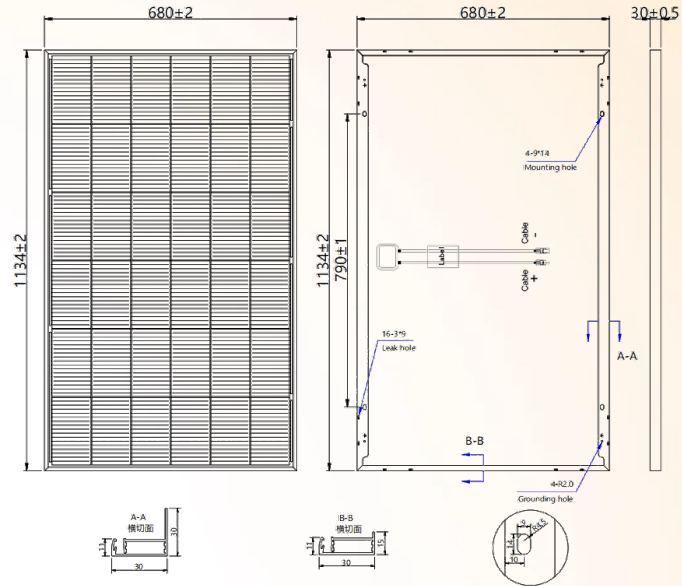
Solar Cells	N-TOPCon-182*105mm
Arrangement	Type-6*6
Front Glass	3.2mm tempered glass
Backsheet	Fluoride on both sides
Frame	Anodized aluminium alloy
Junction Box	IP67, 2 diodes
Cables	4.0mm ² photovoltaic cables
Connectors	MC4 compatible/IP67
Maximum Load Capacity	Snow-3600Pa/Wind-1600Pa
Safety Rate	Class II (IEC)
Fire Rate	Class C (TUV)

Packing Configuration

Package Weight & Size	617Kg/pallet & 1400*1140*1265mm		
20'GP Container	2 pcs/carton	535 cartons/20'GP	1070 pcs
40'HQ Container	74 pcs/pallet	32 pallets/40'HQ	2368 pcs
13.5m Land Truck	74 pcs/pallet	36 pallets/truck	2664 pcs

Dimensions of PV Module

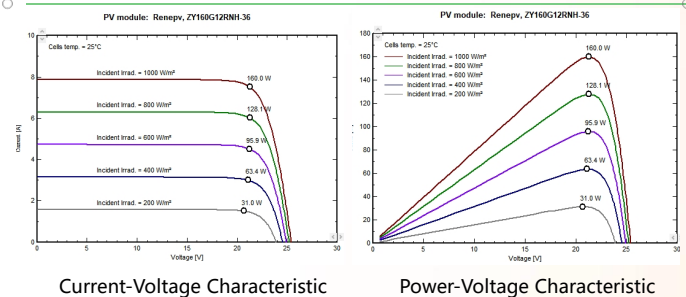
Module Dimensions	1134(±2)*680(±2)*30mm
Module Weight	8.1 kg(±3%)



Temperature Characteristics

Temperature Coefficient (P _{max})	δ[%/°C]	-0.35
Temperature Coefficient (V _{oc})	β[%/°C]	-0.29
Temperature Coefficient (I _{sc})	α[%/°C]	+0.046
Nominal Operating Cell Temperature	NMOT	44°C ± 2°C

I-V & P-V Curves



Configuration

	Default	Choose
Frame Color	☐ Silver	☐ Black
Backsheet Color	☐ White	☐ Transparent ☐ Black
Cable Length	☐ 900mm	☐ Customization
Connectors	☐ Compatible MC4	☐ Original EVO2



ZHEJIANG G&F FOREIGN TRADING COMPANY LIMITED
NINGBO ZHONGYI NEW ENERGY CO., LTD.

Company Address : No. 308 North Zhongshan Road, Hangzhou, Zhejiang
Factory Address : No. 509 Zhengtong North Road, High-tech Industrial Development Zone, Cixi, Zhejiang

Tel:+86-0571-85773914
Mob:+86-13705717473
E-mail:yangchuang@zjnac.com
Web:www.zjnac.com

95 mm

105 mm



Energia

MODULO FOTOVOLTAICO



20,7%
Eficiência



160 Wp
Potência



0,77m²
Área

Tecnologia: SILÍCIO MONOCRISTALINO (mono-Si)
Fornecedor: ZHEJIANG G&F FOREIGN TRADING COMPANY LIMITED
Marca: ZJNAC
Modelo: ZJNAC-160MS

Mais eficiente



Menos eficiente

Classe

A

Com base nos resultados do ciclo normalizado pelo Inmetro.



Segurança
Desempenho
Nº de Registro
005 306/2025



Para instruções de instalação e recomendações de uso, leia o manual do aparelho.

16 mm

93 mm

 INMETRO	Energia  PROGRAMA BRASILEIRO DE ETIQUETAGEM Tecnologia: SILICIO MONOCRISTALINO (mono-Si) Fornecedor: ZHEJIANG G&F FOREIGN TRADING COMPANY LIMITED Marcas: ZJNAC Modelo: ZJNAC-160MS	 20,7% Eficiência  CLASSE A  N° de Registro 005 306/2025
--	---	---