

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(P _{max})±3%	(W)	160
	Power Tolerance	(W)	0~+5
	Max.Power Voltage(V _{mp})	(V)	20.51
	Max.Power Current(I _{mp})	(A)	7.81
	Open-circuit Voltage(V _{oc})±3%	(V)	24
NMOT: AM1.5 Temperature 20°C Wind speed 1m/s Irradiance 800 W/m ²	Short-circuit Current(I _{sc}) +3%	(A)	8.15
	Peak Power(P _{max})±3%	(W)	119.7
	Max.Power Voltage(V _{mp})	(V)	17.11
	Max.Power Current(I _{mp})	(A)	6.99
	Open-circuit Voltage(V _{oc})	(V)	20.67
Operating Temperature	Short-circuit Current(I _{sc})	(A)	7.33
		(°C)	-40~+85
Max. Series Fuse Rating		(A)	15
Max. System Voltage(DC)		(V)	1500(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)

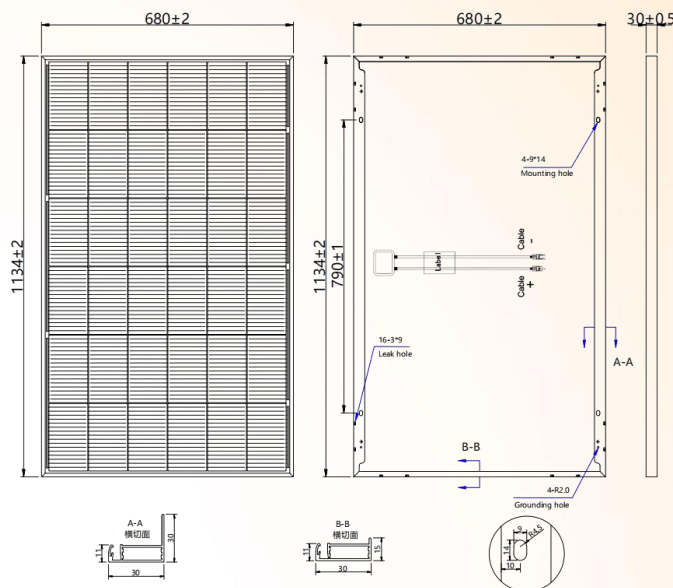
Packing Configuration

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

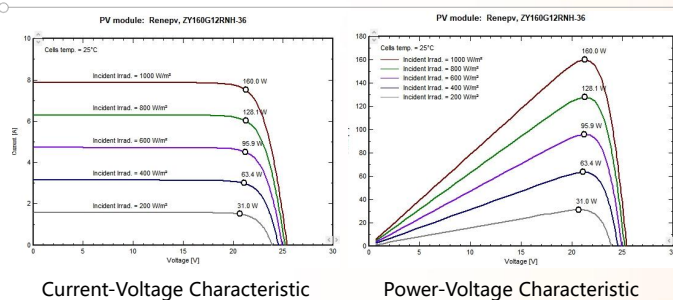
Module Weight 8.1 kg(±3%)



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



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