

Mono-crystalline Solar PV Modules

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M182

100W

ZY100M2C-36

Mono Single Glass Module

13.2%

Module efficiency

Electrical Specifications

Module Type		ZY100M2C-36	
STC: AM1.5 Temperature 25°C Irradiance 1000 W/m ²	Peak Power(Pmax)±3%	(W)	100
	Power Tolerance	(W)	0~+3
	Max.Power Voltage(Vmp)	(V)	18.54
	Max.Power Current(Imp)	(A)	5.39
	Open-circuit Voltage(Voc)±3%	(V)	22.68
NMOT: AM1.5 Temperature 20°C Wind speed 1m/s Irradiance 800 W/m ²	Short-circuit Current(Isc)+3%	(A)	5.79
	Peak Power(Pmax)±3%	(W)	74.8
	Max.Power Voltage(Vmp)	(V)	17.24
	Max.Power Current(Imp)	(A)	4.34
	Open-circuit Voltage(Voc)	(V)	21.09
	Short-circuit Current(Isc)	(A)	4.49
Operating Temperature		(°C)	-40~+85
Max. Series Fuse Rating		(A)	12
Max. System Voltage(DC)		(V)	1000(IEC)

Mechanical Specifications

Solar Cells	Mono-182*91mm
Arrangement	Type-3*11
Front Glass	3.2mm tempered glass
Backsheet	Fluoride on both sides
Frame	Anodized aluminium alloy
Junction Box	IP67, 2 diode
Cables	2.5mm ² photovoltaic cables
Connectors	MC4 compatible/IP67
Maximum Load Capacity	Snow-2400Pa/Wind-1200Pa
Safety Rate	Class II (IEC)
Fire Rate	Class C (TUV)

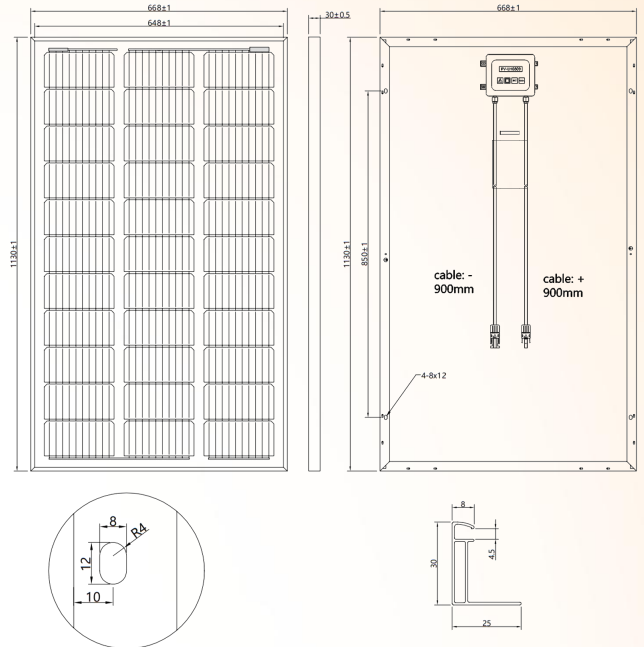
Packing Configuration

Package Weight & Size	18.0Kg/carton & 1142*680*71mm		
20'GP Container	2 pcs/carton	507 cartons/20'GP	1014 pcs
40'HQ Container	2 pcs/carton	1251 cartons/40'HQ	2502 pcs

Dimensions of PV Module

Module Dimensions 1130(±1)*668(±1)*30mm

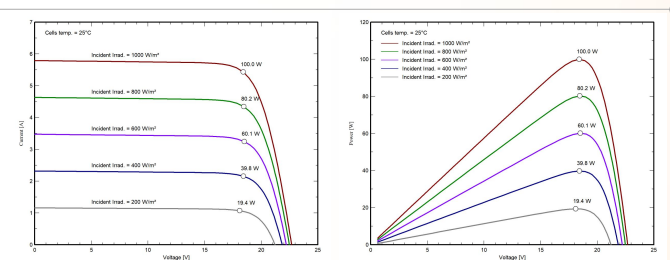
Module Weight 8.4 kg(±3%)



Temperature Characteristics

Temperature Coefficient (Pmax)	δ[%/°C]	-0.35
Temperature Coefficient (Voc)	β[%/°C]	-0.30
Temperature Coefficient (Isc)	α[%/°C]	+0.046
Nominal Operating Cell Temperature	NMOT	44°C±2°C

I-V & P-V Curves



Current-Voltage Characteristic

Power-Voltage Characteristic

Configuration

Default

Choose

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



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