

SOLAR MODULES MD020M(36)



Characteristics

Model	MD025M(36)	MD020M(36)
Module Efficiency	12.77%	10.21%
Open circuit voltage(Voc)	22.4V	22.2V
Optimum operating voltage(Vmp)	17.6V	17.4V
Short circuit current(Isc)	1.48A	1.21A
Optimum operating current(Imp)	1.42A	1.15A
Maximum Power at STC(Pm)	25 Wp	20 Wp

STC: Irradiance 1000W/m², Module temperature 25°C,AM=1.5.

Specifications

Cell	mono-crystalline silicon solar cells62.5×62.5mm
No. of cells and connections	36(4×9)
Dimension of module (mm)	640×306×18mm
Weight	2.5Kg
Power Tolerance	±5%

Limits

Operating temperature	-40°C ~ +85°C
Maximum system voltage	(IEC)1000 V DC (UL)600VDC
Maximum Series Fuse Rating	3A

Temperature and Coefficients

NOCT	45±2°C
Temp. Coeff.of Isc(TK Isc)	0.05%/°C
Temp. Coeff.of Voc(TK Voc)	-0.33%/°C
Temp. Coeff.of Pmax(TK Pmax)	-0.45%/°C
Maximum wind loads	2400Pa
Maximum snow load	5400Pa
Maximum Hail diameter @ 23m/s	25mm

NOCT: Nominal Operation Cell temperature

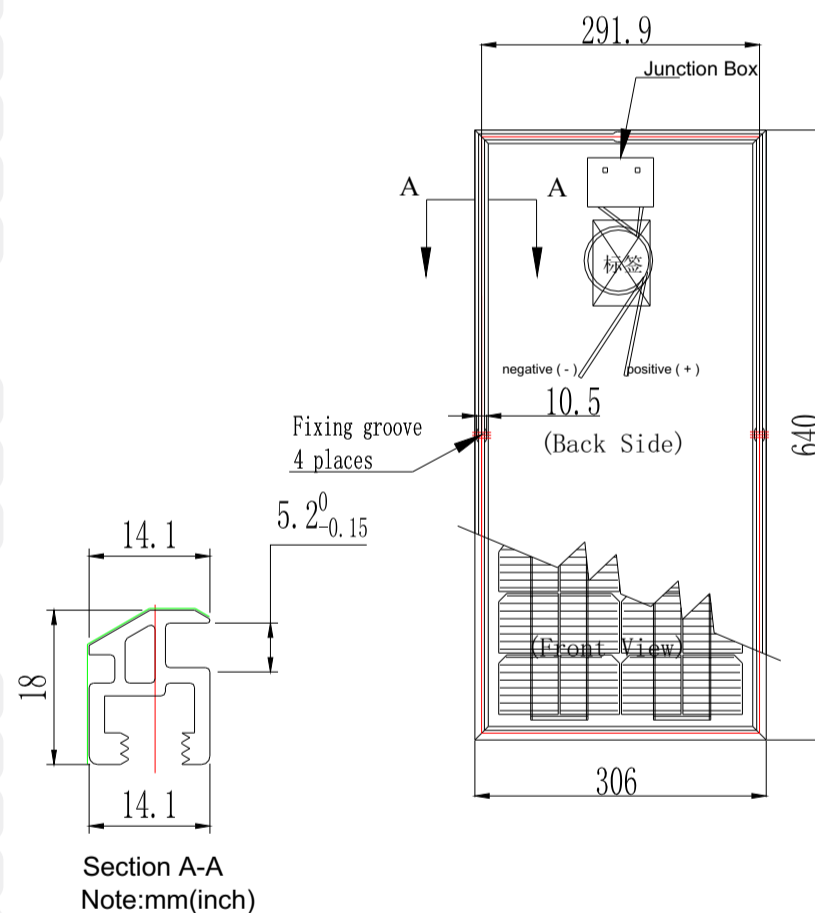
Output

Type of output terminal	Junction box
Cable	NanYang(2×0.75mm ²)
Asymmetrical lengths	500mm (-), 500mm(+)
Connection	

Packing Quantity

Container	20GP	40HC
Pallets per container	8	16
Pieces per container	2400	5760

Blueprint of the module



20W PV I-V characteristic curves

