

# SOLAR MODULES

## MD130M(36)



### Characteristics

Model	MD150M(36)	MD145M(36)	MD140M(36)	MD135M(36)
Module Efficiency	14.97%	14.47%	13.97%	13.48%
Open circuit voltage(Voc)	22.4V	22.3V	22.2V	22.1V
Optimum operating voltage(Vmp)	18.2V	18.0V	17.8V	17.6V
Short circuit current(Isc)	8.45A	8.6A	8.34A	8.07A
Optimum operating current(Imp)	8.24A	8.06A	7.87A	7.67A
Maximum Power at STC(Pm)	150Wp	145Wp	140Wp	135Wp
Model	MD130M(36)	MD125M(36)	MD120M(36)	
Module Efficiency	12.98%	12.48%	11.98%	
Open circuit voltage(Voc)	21.9V	21.8V	21.6V	
Optimum operating voltage(Vmp)	17.5V	17.3V	17.1V	
Short circuit current(Isc)	7.85A	7.59A	7.35A	
Optimum operating current(Imp)	7.43A	7.23A	7.02A	
Maximum Power at STC(Pm)	130Wp	125Wp	120Wp	

STC: Irradiance 1000W/m<sup>2</sup>, Module temperature 25°C, AM=1.5.

### Specifications

Cell	Mono-crystalline silicon solar cells 156×156mm
No. of cells and connections	36(4×9)
Dimension of module (mm)	1482×676×35 mm
Weight	11.5Kg
Power Tolerance	0~ + 3%

### Limits

Operating temperature	-40°C ~ +85°C
Maximum system voltage	(IEC)1000 V DC (UL)600VDC
Maximum Series Fuse Rating	10A

### Temperature and Coefficients

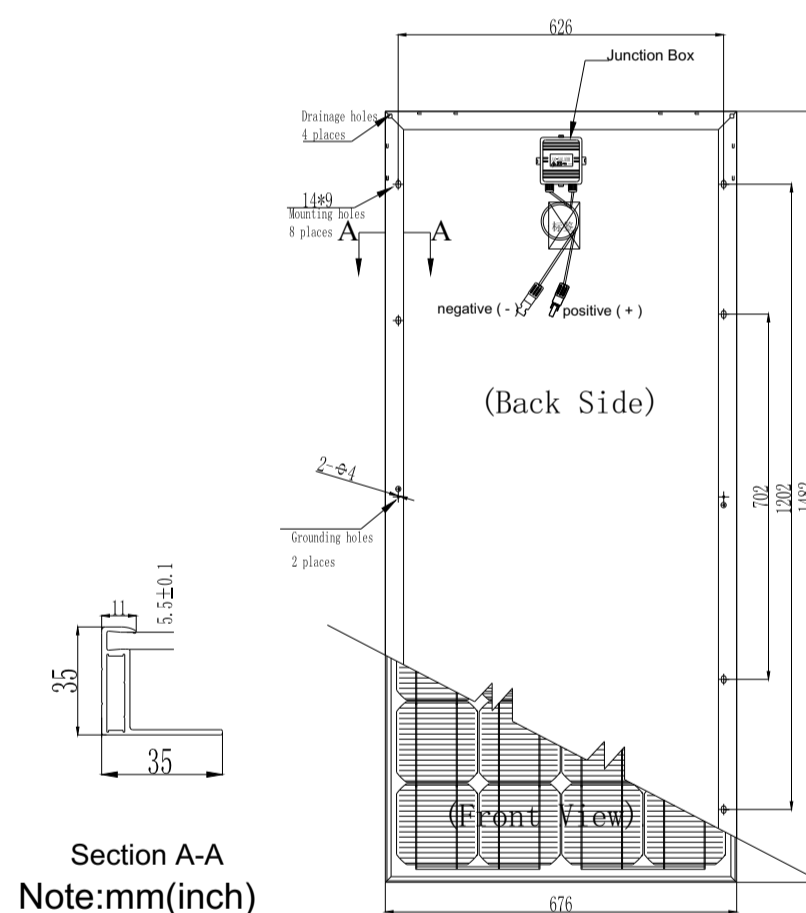
NOCT	45±2°C
Temp. Coeff.of Isc(TK Isc)	0.05%/°C
Temp. Coeff.of Voc(TK Voc)	-0.33%/°C
Temp. Coeff.of Pmax(TK Pmax)	-0.45%/°C
Maximum wind loads	2400Pa
Maximum snow load	5400Pa
Maximum Hail diameter @ 23m/s	25mm

NOCT: Nominal Operation Cell temperature

### Output

Type of output terminal	Junction box
Cable	NanYang(4.0mm <sup>2</sup> )
Asymmetrical lengths	900mm (-), 900mm(+)
Connection	MC4

Blueprint of the module



130W PV I-V characteristic curves

