

SOLAR MODULES

MD250M(96)



Characteristics

Model	MD260M(96)	MD255M(96)	MD250M(96)	MD245M(96)
Module Efficiency	15.49%	15.20%	14.90%	14.60%
Open circuit voltage(Voc)	60.0V	59.8V	59.6V	59.4 V
Optimum operating voltage(Vmp)	49.1V	48.8V	48.7V	48.3V
Short circuit current(Isc)	5.74A	5.64A	5.55A	5.44A
Optimum operating current(Imp)	5.31A	5.23A	5.14A	5.08A
Maximum Power at STC(Pm)	260Wp	255 Wp	250 Wp	245 Wp
	MD240M(96)	MD235M(96)	MD230M(96)	
	14.30%	14.01%	13.71%	
	59.2V	58.9V	58.7V	
	48.1V	47.8V	47.5V	
	5.35A	5.27A	5.17A	
	4.99A	4.92A	4.84A	
	240 Wp	235 Wp	230 Wp	

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

Specifications

Cell	mono-crystalline silicon solar cells 125×125mm
No. of cells and connections	96(8×12)
Dimension of module (mm)	1580×1062×40mm
Weight	20Kg
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

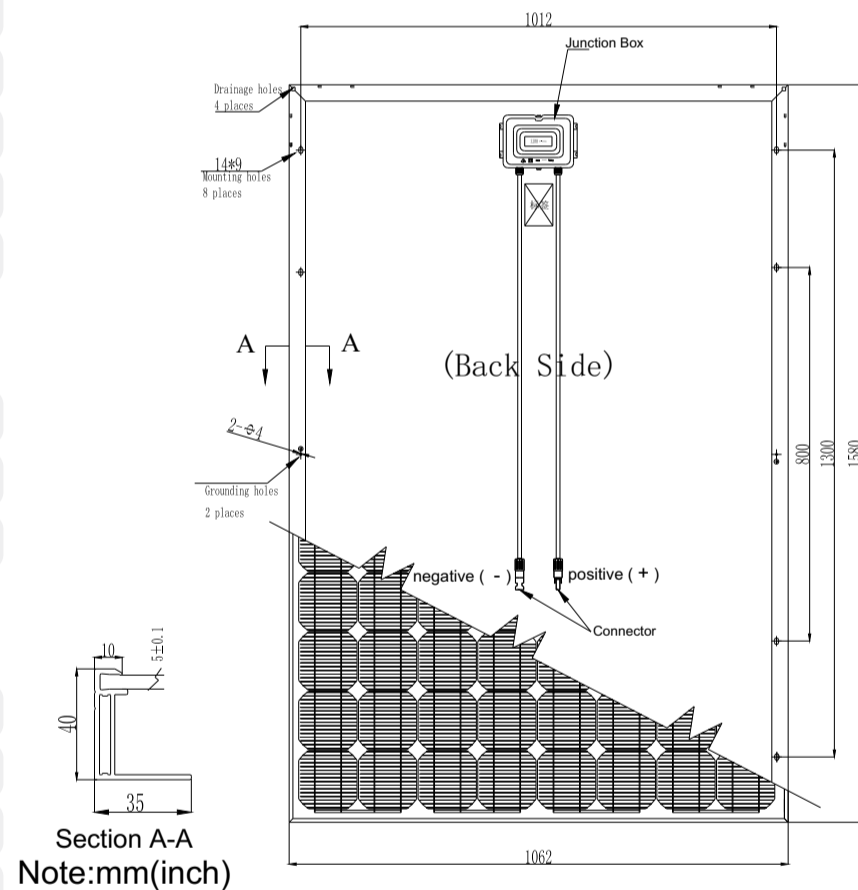
NOCT	45 ± 2°C
Temp. Coeff. of Isc (TK Isc)	0.05%/°C
Temp. Coeff. of Voc (TK Voc)	-0.33%/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.45%/°C
Maximum wind loads	2400Pa
Maximum snow load	5400Pa
Maximum Hail diameter @ 23m/s	25mm

NOCT: Nominal Operation Cell temperature

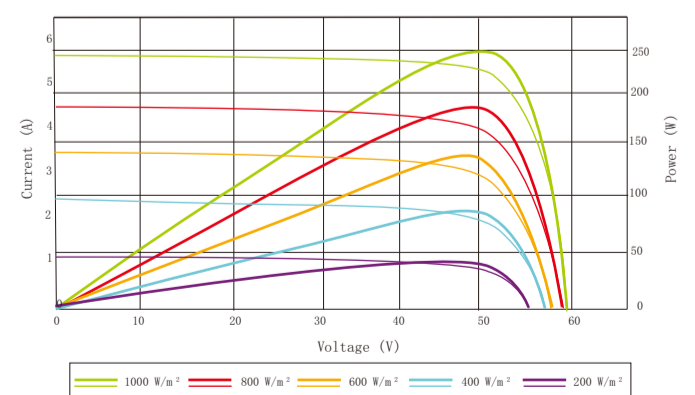
Output

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

Blueprint of the module



250W PV I-V characteristic curves



Packing Quantity

Container	20GP	40HC
Pallets per container	6	14
Pieces per container	264	672

