

SOLAR MODULES MD210M(54)



Characteristics

Model	MD225M(54)	MD220M(54)	MD215M(54)	MD210M(54)
Module Efficiency	15.30%	14.96%	14.62%	14.28%
Open circuit voltage(Voc)	33.8V	33.7V	33.6V	33.4V
Optimum operating voltage(Vmp)	27.2V	27.1V	26.9V	26.8V
Short circuit current(Isc)	8.81A	8.63V	8.46A	8.31A
Optimum operating current(Imp)	8.28A	8.12A	7.99A	7.83A
Maximum Power at STC(Pm)	225Wp	220Wp	215Wp	210Wp
Model	MD205M(54)	MD200M(54)	MD195M(54)	
Module Efficiency	13.94%	13.60%	13.26%	
Open circuit voltage(Voc)	33.3V	33.2V	33.1V	
Optimum operating voltage(Vmp)	26.6V	26.4V	26.3V	
Short circuit current(Isc)	8.14A	7.97A	7.79A	
Optimum operating current(Imp)	7.71A	7.58A	7.42A	
Maximum Power at STC(Pm)	205Wp	200Wp	195Wp	

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

Specifications

Cell	Mono-crystalline silicon solar cells 156×156mm
No. of cells and connections	54(6×9)
Dimension of module (mm)	1482×992×40 mm
Weight	17.5Kg
Power Tolerance	0~ + 3%

Limits

Operating temperature	-40°C ~ +85°C
Maximum system voltage	(IEC)1000 V DC (UL)600VDC
Maximum Series Fuse Rating	15A

Temperature and Coefficients

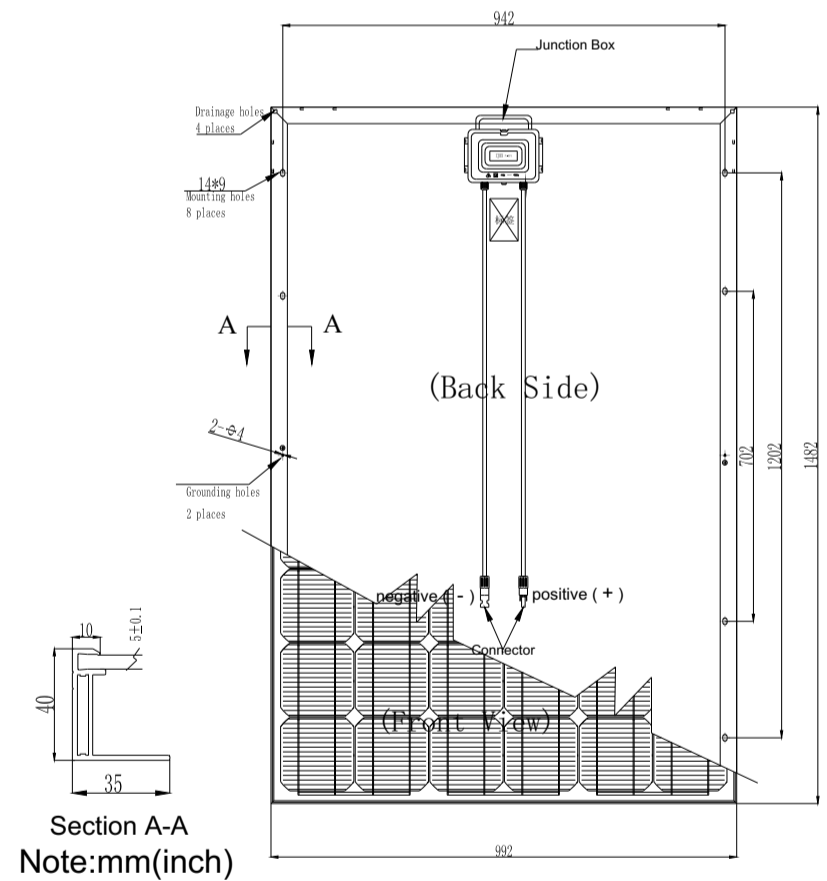
NOCT	45±2°C
Temp. Coeff.of Isc(TK Isc)	0.05%/°C
Temp. Coeff.of Voc(TK Voc)	-0.33%/°C
Temp. Coeff.of Pmax(TK Pmax)	-0.45%/°C
Maximum wind loads	2400Pa
Maximum snow load	5400Pa
Maximum Hail diameter @ 23m/s	25mm

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



210W PV I-V characteristic curves

