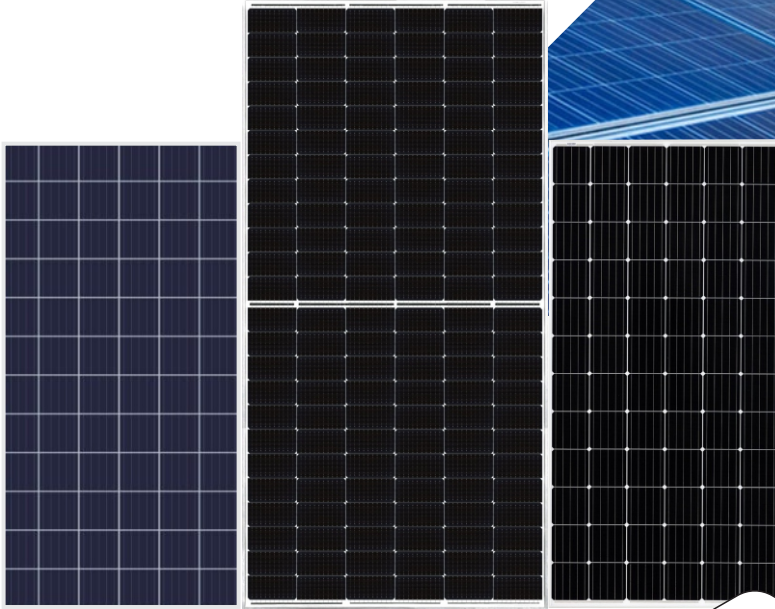




the
Solar
people

EASY | SOLAR[®]

उज्जवलभारत का सोलर



Vijender Singh
VIJENDER SINGH
(INTERNATIONAL BOXER)

PRODUCT | KEY FEATURES



SOLAR MODULES



AR Coated Tempered Glass
Anti-Reflective Module Surface



Excellent Module Efficiency



Positive Power Tolerance
Up to 5W



Pre and Post EL Checking
to ensure defect free modules



Ip68 Junction Box
for Long Term Endurance



Ensure safety parameters
through Safety test



Quality and Reliability assurance
in standard weather condition

EUROPEAN TECHNOLOGY FOR EXCELLENCE PERFORMANCE

PRODUCT CERTIFICATES



Industry leading linear power
output warranty*



Product warranty on
materials and workmanship



1800 313 333 333



www.easysolarsolutions.com

Poly Crystalline

TECHNICAL DATA 50W - 340W

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC) (irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.)

	55W/12V	75W/12V	110W/12V	170W/12V	175W/12V	340W/24V
Nominal Maximum Power (Pmax)						
Optimum Operating Voltage (Vmp)	18.6	17.4	18.9	18.86	19.30	38.09
Optimum Operating Current (Imp)	2.96	4.31	5.81	9.02	9.07	8.94
Open Circuit Voltage (Voc)	22.70	22.1	22.31	23.01	23.60	45.59
Short Circuit Current (Isc)	3.13	4.60	6.27	9.61	9.54	9.48
Module Eff(%)	19.1	14.6	15.8	15.8	18.0	17.0

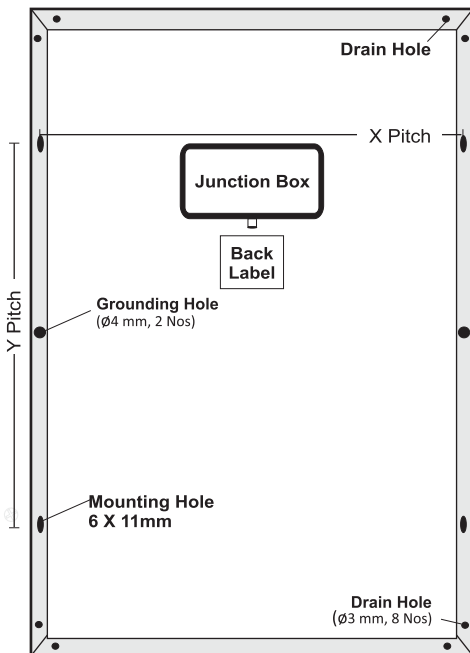


POLY

Mechanical Specifications

	55W/12V	75W/12V	110W/12V	170W/12V	175W/12V	340W/24V
Dimensions (Length in mm)	533	770	1010	1485	1960	
Dimensions (Width in mm)	660	660	665	665	990	
Dimensions (Height in mm)	30	30	30	35	35	
Weight(kg)	3.9	5.40	7.06	11	21	
No Of Cell	36	36	36	36	72	

BACK VIEW

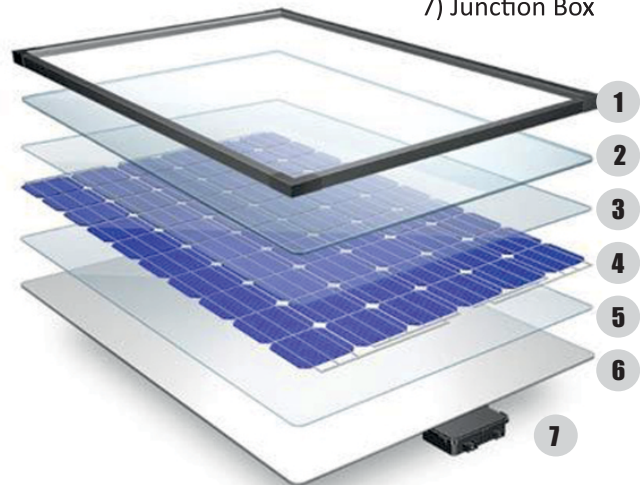


SIDE VIEW

35mm



- 1) Aluminum Frame
- 2) Solar Tempered Glass
- 3) Encapsulant
- 4) Solar Cell String
- 5) Encapsulant
- 6) Backsheet
- 7) Junction Box



*All dimensions are in mm with +/-1% tolerance.

MAXIMUM OPERATING CONDITIONS

Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1000/1500V
Maximum Series Fuse Rating:	10-20 A

TEMPERATURE COEFFICIENTS

Current Temperature Coefficients $\alpha(I_{sc})$:	0.021%/°C
Voltage Temperature Coefficients $\beta(V_{oc})$:	-0.291%/°C
Power Temperature Coefficients $\gamma(P_{max})$:	-0.397%/°C

Caution: Please read safety and installation instructions before using the product. **Warranty:** Linear power warranty for 27 years up to 2.5% for 1st year degradation and 0.67% from year 2 to year 27. Please read EASY SOLAR warranty documents thoroughly. **Disclaimer:** specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities. EASY SOLAR reserves the right to make any adjustment to the information described here, Dataset contained in this specification do not form a representative of a single module data. @T&C Apply.

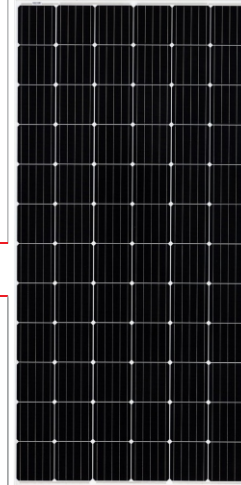
Mono Crystalline



TECHNICAL DATA 200W - 410W

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC) (irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.)

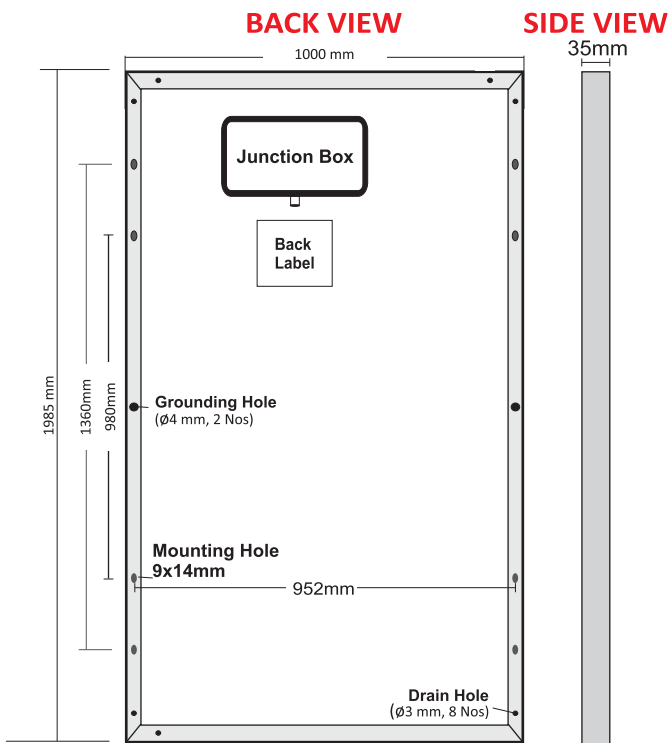
Nominal Maximum Power (Pmax)	200W	410W
Optimum Operating Voltage (Vmp)	20.20	41.88
Optimum Operating Current (Imp)	9.92	9.79
Open Circuit Voltage (Voc)	24.2	48.80
Short Circuit Current (Isc)	10.13	10.45
Module Eff(%)	20.30	20.2



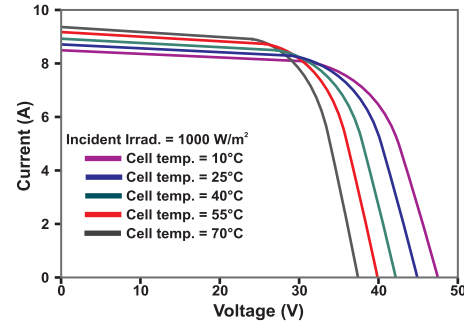
MONO

Mechanical Specifications

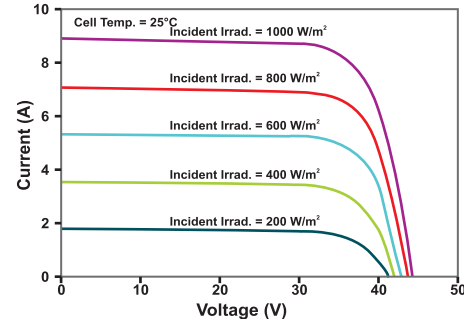
Dimensions (Length in mm)	1490	1985
Dimensions (Width in mm)	670	1000
Dimensions (Height in mm)	35	35
Weight(kg)	11	21
No Of Cell	36	72



IV Curve Variation with Temperature



IV Curve Variation with Irradiation



*All dimensions are in mm with +/-1% tolerance.

MAXIMUM OPERATING CONDITIONS

Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1500V
Maximum Series Fuse Rating:	20A

TEMPERATURE COEFFICIENTS

Current Temperature Coefficients $\alpha(I_{sc})$:	0.021%/°C
Voltage Temperature Coefficients $\beta(V_{oc})$:	-0.291%/°C
Power Temperature Coefficients $\gamma(P_{max})$:	-0.397%/°C

Caution: Please read safety and installation instructions before using the product. **Warranty:** Linear power warranty for 27 years up to 2.5% for 1st year degradation and 0.67% from year 2 to year 27. Please read EASY SOLAR warranty documents thoroughly. **Disclaimer:** specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities. EASY SOLAR reserves the right to make any adjustment to the information described here, Dataset contained in this specification do not form a representative of a single module data. @T&C Apply.

Half-Cut Mono Crystalline

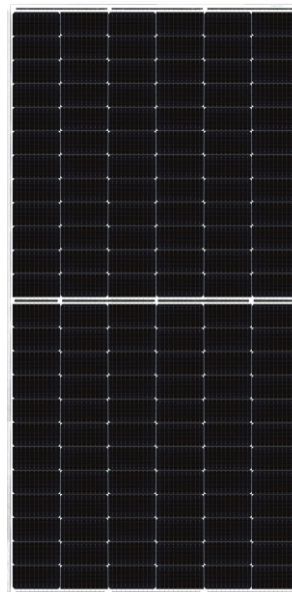
TECHNICAL DATA 445W - 545W

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC) (irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.)

Nominal Maximum Power (Pmax)	455W	545W
Optimum Operating Voltage (Vmp)	39.10	42.02
Optimum Operating Current (Imp)	11.66	12.9
Open Circuit Voltage (Voc)	48.90	50.14
Short Circuit Current (Isc)	12.49	13.55
Module Eff(%)	21	21.1

Mechanical Specifications

Dimensions (Length in mm)	2102	2279
Dimensions (Width in mm)	1040	1133
Dimensions (Height in mm)	35	35
Weight(kg)	22	27
No Of Cell	144	144

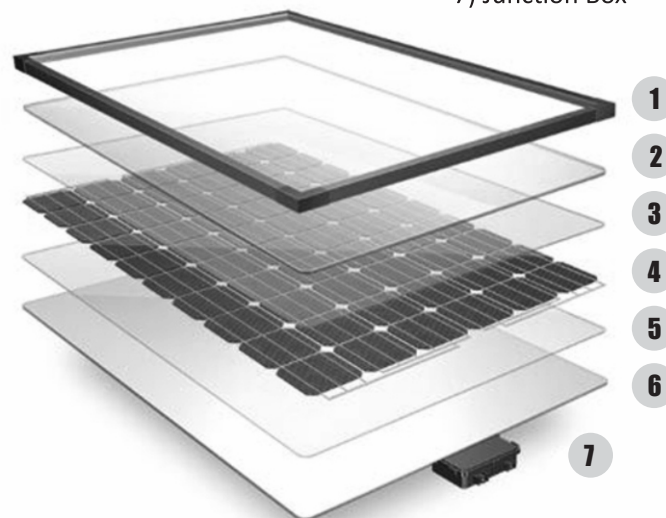
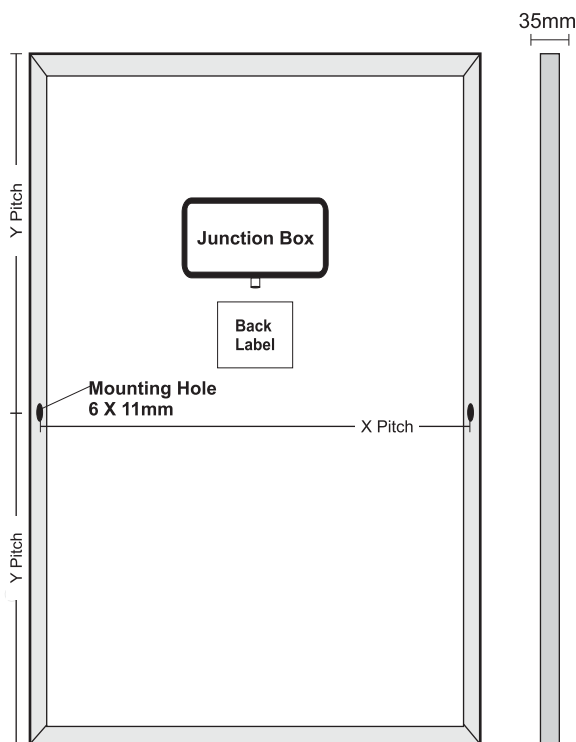


HALF-CUT

- 1) Aluminum Frame
- 2) Solar Tempered Glass
- 3) Encapsulant
- 4) Solar Cell String
- 5) Encapsulant
- 6) Backsheet
- 7) Junction Box

BACK VIEW

SIDE VIEW



*All dimensions are in mm with +/-1% tolerance.

MAXIMUM OPERATING CONDITIONS

Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1500V
Maximum Series Fuse Rating:	20-25A

TEMPERATURE COEFFICIENTS

Current Temperature Coefficients $\alpha(Isc)$:	0.021%/°C
Voltage Temperature Coefficients $\beta(Voc)$:	-0.291%/°C
Power Temperature Coefficients $\gamma(Pmax)$:	-0.397%/°C

Caution: Please read safety and installation instructions before using the product. **Warranty:** Linear power warranty for 27 years up to 2.5% for 1st year degradation and 0.67% from year 2 to year 27. Please read EASY SOLAR warranty documents thoroughly. **Disclaimer:** specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities. EASY SOLAR reserves the right to make any adjustment to the information described here, Dataset contained in this specification do not form a representative of a single module data. @T&C Apply.