

Etamad Solar Production Company is the first and largest ProducerTypes of solar in Afghanistan



# COMPANY PROFILE

## About Etamad solar manufacturing company:

Edemad Solar Manufacturing Company, with the aim of optimal use of solar energy and conversion of solar energy into electricity and helping to clean and preserve the environment, was started in 2018 on a plot of land with an area of 15,000 square meters in the first phase of Herat province's industrial town and is now ready for operation. Aftabi Etamad Solar Company is the first company producing solar panels in Afghanistan, which has started its work with international standards in Herat province. This production factory is able to produce one megawatt of solar panels of different capacities per day by taking advantage of the scientific and professional capabilities of the educated and young Afghan cadres in a completely specialized set. This company has been able to directly create jobs for more than 100 graduates of electrical and electronics.





## Goals:

The business processes of Solar Aftabi Etemad company in terms of cost-benefit analysis, efficiency, effectiveness, implementation of plans and achieving general goals and strategies towards developments and accompanying global changes are listed below in the list of general goals of the company.

1. Creating quantitative and qualitative exploitation.
2. Electrical energy planning.
3. Optimization and management in the distribution of electricity industry.
4. Providing facilities and equipment at the lowest price.
5. Reducing consumption costs.
6. Adjustable in remote areas of the country.
7. Honesty in the execution of work.
8. Solving problems by identifying customer needs.
9. Respect for customer attitudes.
10. Providing the required and necessary source for the growth and development of plants.



## The Company Production Capacity

The production capacity of Etemad company is one megawatt per day, on average, this company is able to produce 2400 solar panels of different capacities per 24 hours. The production capacity of this company for 12 hours is about 1200 solar panels.

## Types of products of Solar Etamad Manufacturing Company:

- 1- Solar 270 watt polycrystal
- 2- Solar 320 watt polycrystal
- 3- Solar 340 watt polycrystal
- 4- Solar 300 watt monocrystal
- 5- Solar 440 watt monocrystal
- 6- Solar 500 watt monocrystal
- 7- Solar 540 watt monocrystal
- 8- Solar 650 watt monocrystal

## **Features of Etemad products:**

- 1- The products of this company are produced by the most advanced production machines in Asia, which are not available in most of the neighboring countries, so the precision in the manufacture of this product and the quality of its manufacture are immeasurably high.
- 2- The personnel of Solar Etemad manufacturing company are fully professional and trained and have enough experience in using the devices to produce a high quality product.
- 3- The solar products produced by this company are made of the best and highest quality parts and raw materials available in Asia and there is no such thing in Afghanistan.
- 4- After completing the manufacturing process, the products of this company are tested in the company's equipped laboratory, and after completing the testing process, they are packaged and prepared for sale.
- 5- This company has obtained all the global quality control certificates, including the European Union certification regarding the quality of its products.
- 6- The solar panels produced by Etemad company have a 25-year warranty, and none of the products available in the country's markets have any guarantee for their quality.



# OUR HONORS



## INTERNATIONAL CERTIFICATE





## PRODUCT LINE





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# Solar 270 Watt Polycrystal

## ESSPC6\*10P-5BB-275W

### Features & Attributes

Maximum rated power(Pmax)	275W
Tolerance	0 3%
Voltage at Pmax(Vmp)	31.56 V
Current at Pmax(IMP)	8.72A
Open circuit voltage(Voc)	37.6V
Short Circuit current(Isc)	9.06A
Maximum system voltage	1000VDC
Maximum series fuse rating	15A
Operating temperature	-40+85C
Application Class	Class A
Cell technology	Poly crystalline
Weight	18.4kg
Dimension(mm)	1640*992*35 (+-2)mm





# Solar 320 Watt Polycrystal

## ESSPC6\*12P-5BB-320W

### Features & Attributes

Maximum rated power(Pmax)	320W
Tolerance	0 3%
Voltage at Pmax(Vmp)	37.87V
Current at Pmax(IMP)	8.72A
Open circuit voltage(Voc)	45.6V
Short Circuit current(Isc)	9.06A
Maximum system voltage	1000VDC
Maximum series fuse rating	15A
Operating temperature	-40+85C
Application Class	Class A
Cell technology	Poly crystalline
Weight	22kg
Dimension(mm)	1956*992*35 (+-2)mm





## Solar 340 Watt Polycrystal ESSPC-M2P144(6\*24)- 340W

Features & Attributes	
Maximum rated power(Pmax)	340W
Tolerance	0 3%
Voltage at Pmax(Vmp)	37.57V
Current at Pmax(IMP)	9.05A
Open circuit voltage(Voc)	46.25V
Short Circuit current(Isc)	9.38A
Maximum system voltage	1500VDC
Maximum series fuse rating	15A
Operating temperature	-40+85C
Application Class	Class A
Cell technology	Poly crystalline
Weight	20.3kg
Dimension(mm)	1992*992*30(+/-2)mm



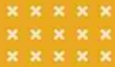


# Solar 300 watt Mono Crystal

## ESSPC-M2M60(6\*10)- 300W

Features & Attributes	
Maximum rated power(Pmax)	300W
Tolerance	0 3%
Voltage at Pmax(Vmp)	32.16V
Current at Pmax(IMP)	9.34A
Open circuit voltage(Voc)	39.80V
Short Circuit current(Isc)	9.72A
Maximum system voltage	1500VDC
Maximum series fuse rating	15A
Operating temperature	-40+85C
Application Class	Class A
Cell technology	Mono crystalline
Weight	17.3kg
Dimension(mm)	1648*992*30(+2)mm

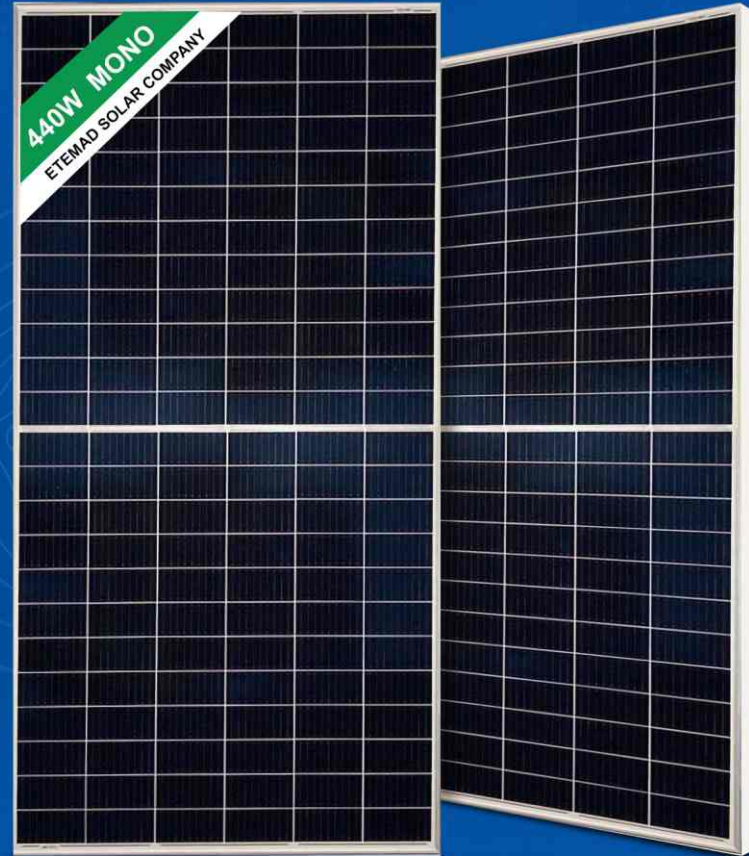




# Solar 440 watt Mono Crystal

## ESSPC-M6M144(6\*24)- 440W

Features & Attributes	
Maximum rated power(Pmax)	440W
Tolerance	0 3%
Voltage at Pmax(Vmp)	41.09V
Current at Pmax(IMP)	10.71A
Open circuit voltage(Voc)	48.90V
Short Circuit current(Isc)	11.46A
Maximum system voltage	1500VDC
Maximum series fuse rating	15A
Operating temperature	-40+85C
Application Class	Class A
Cell technology	Mono crystalline
Weight	23.5kg
Dimension(mm)	2094*1038*30(+/-2)mm





# Solar 500 watt Mono Crystal

## ESSPC-M10M132(6\*22)- 500W

Features & Attributes	
Maximum rated power(Pmax)	500W
Tolerance	0 3%
Voltage at Pmax(Vmp)	38.44V
Current at Pmax(IMP)	13.01A
Open circuit voltage(Voc)	45.73V
Short Circuit current(Isc)	13.64A
Maximum system voltage	1500VDC
Maximum series fuse rating	25A
Operating temperature	-40+85C
Application Class	Class A
Cell technology	Mono crystalline
Weight	25.5kg
Dimension(mm)	2094*1133*30(+2)mm





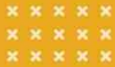
## Solar 540 watt Mono Crystal ESSPC-M10M144(6\*24)- 540W

### Features & Attributes

Maximum rated power(Pmax)	540W
Tolerance	0 3%
Voltage at Pmax(Vmp)	40.70V
Current at Pmax(IMP)	13.27A
Open circuit voltage(Voc)	49.42V
Short Circuit current(Isc)	13.82A
Maximum system voltage	1500VDC
Maximum series fuse rating	25A
Operating temperature	-40+85C
Application Class	Class A
Cell technology	Mono crystalline
Weight	27.5kg
Dimension(mm)	2274*1133*30(+/-2)mm







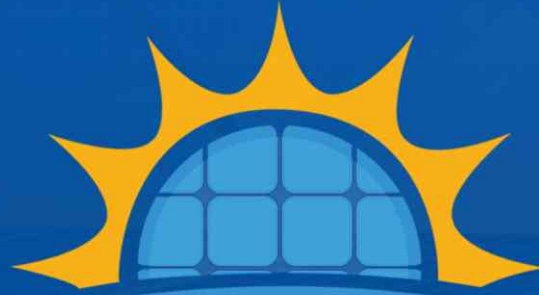
# Solar 650 watt Mono Crystal

## ESSPC-M12M132(6\*22)- 650W

Features & Attributes	
Maximum rated power(Pmax)	650W
Tolerance	0 3%
Voltage at Pmax(Vmp)	37.74V
Current at Pmax(IMP)	17.23A
Open circuit voltage(Voc)	45.25V
Short Circuit current(Isc)	18.33A
Maximum system voltage	1500VDC
Maximum series fuse rating	25A
Operating temperature	-40+85C
Application Class	Class A
Cell technology	Mono crystalline
Weight	35kg
Dimension(mm)	2384*1303*30(+/-2)mm



*A Step Towards a Brighter Future*



# ETEMAD SOLAR

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## PRODUCTION COMPANY

 [0791 45 5000](tel:0791455000)

 [www.etemadsunsolar.com](http://www.etemadsunsolar.com)

 [info@etemadsunsolar.com](mailto:info@etemadsunsolar.com)

 West Side of 29 Hamal Square, Pamir Group  
of Companies Building Herat, Afghanistan.