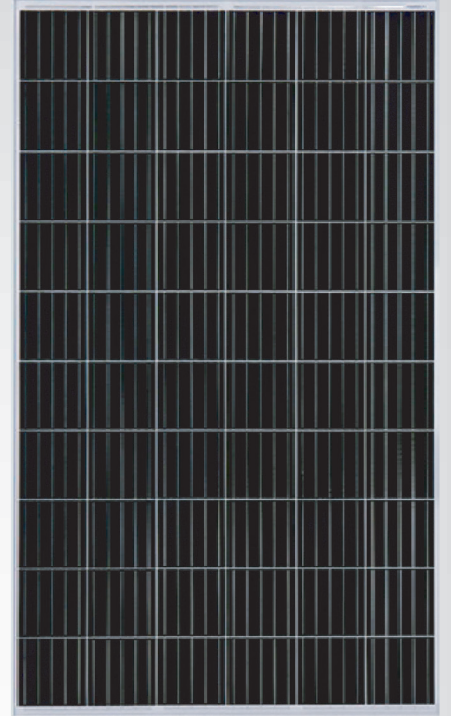


# bir Dünya enerji

HIGH EFFICIENCY  
SOLAR MODULES  
**310-335W**

**60**  
Cells  
Monocrystalline  
**5 BB**



## Overview

A fully certified, premium quality and high efficiency module made with A Grade materials manufactured in Turkey. Guaranteed positive tolerance of up to 5W.



### Quality

- ISO 9001 Certification
- ISO 10002 Certification
- Kiwa Extreme
- IEC 61215



### Components

- Certified suppliers
- Strict criteria for the selection of cells (Europe and Asia)
- MC4 Type connectors or compatible



### Tech

- IEC 61215 and 61730 parts II
- Load resistance -5400 pa
- Hail impact resistance class 4
- Max voltage 1500V



### Warranty

- Product: 12 years
- 1 Year: Mono (97%)
- 10 Years: 90% / 25 years up to: 80% (linear)



### Environment

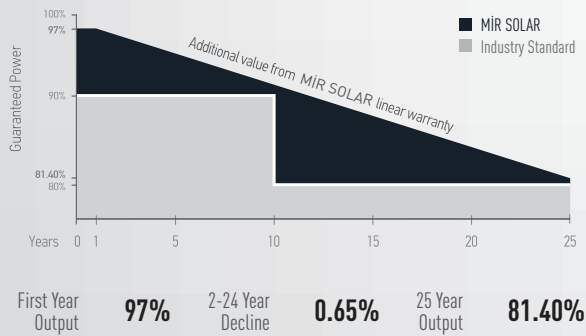
- Regulated carbon footprint
- ISO 45001 and ISO 14001 Std.



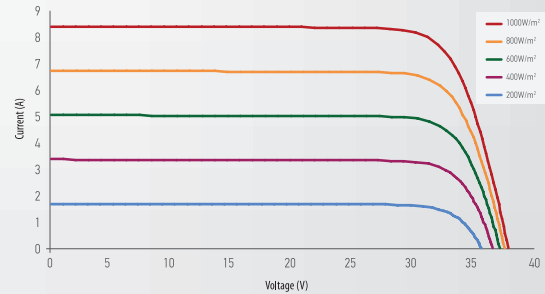
### Product

- Class 310-335 Wp -0/+4.99 Wp
- Mono cells
- 60 cells per module

## Linear Performance Warranty



## I-V Curve



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# Solar Module

## Electrical Characteristics

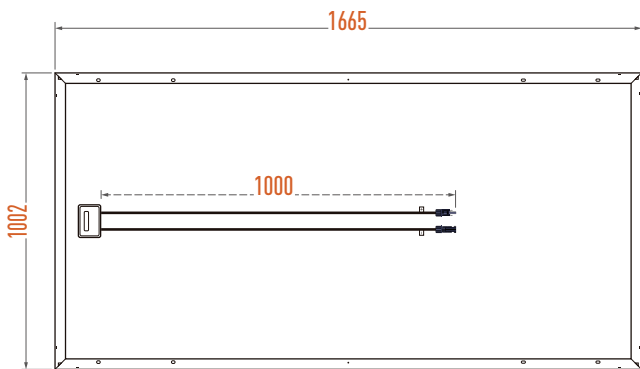
Rated Power	MIR310M 60C/M	MIR315M 60C/M	MIR320M 60C/M	MIR325M 60C/M	MIR330M 60C/M	MIR335M 60C/M
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Maximum Power Voltage (Vmp)	32.70	32.95	33.54	34.02	34.30	34.97
Maximum Power Current (Imp)	9.48	9.56	9.56	9.57	9.62	9.63
Open Circuit Voltage (Voc)	40.06	40.36	41.02	41.46	41.67	42.33
Short Circuit Current (Isc)	10.00	10.03	10.04	10.09	10.17	10.18
Module Efficiency (%)	18.58	18.88	19.18	19.48	19.78	20.07
Maximum System Voltage	DC 1500V/1000V					
Maximum Series Fuse	15A					

Tested at Standart Test Conditions: Irradiance 1000W/m<sup>2</sup>, AM 1.5, Cell Temperature 25°C

## Mechanical Data

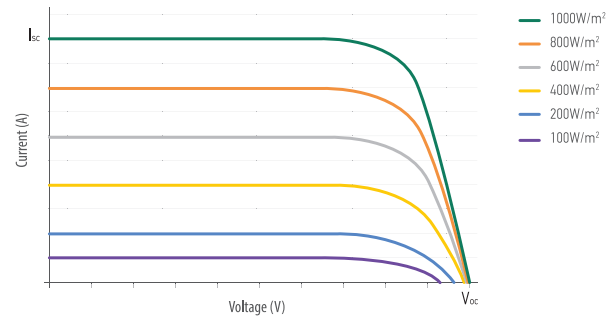
Dimensions	1665mm x 1002mm x 35mm
Weight	19kg
Frame	Anodized aluminum
Front Glass	3.2 mm ARC, Low iron, tempered glass
Output Cables	TUV (2Pfg1169:2007), UL 4703, UL44 4.0 mm <sup>2</sup> (0.006 in <sup>2</sup> ), symmetrical lengths (-) 1000 mm and (+) 1000 mm, MC4 type connectors

## Dimensions



## I-V Curve

The module relative power loss at low light irradiance of 200W/m<sup>2</sup> is less than 3%



## Temperature Characteristics

Pmax Temperature Coefficient	-0.37%/°C
Voc Temperature Coefficient	-0.28%/°C
Isc Temperature Coefficient	+0.048%/°C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature (NOCT)	43 ± 2°C

## Packing Configuration

Container	40'HC
Pieces per Pallet	30
Pieces per Container	900

