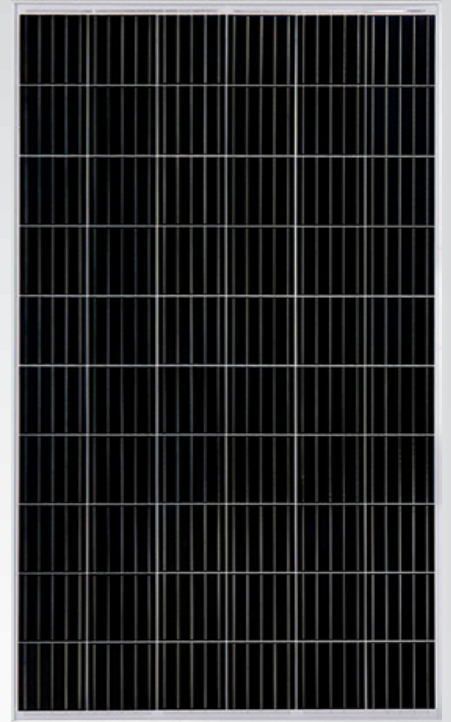


bir Dünya enerji

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
- ISO 14001 Certification
- ISO 18001 Certification



Components

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



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

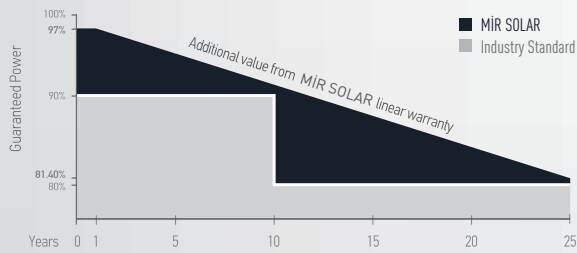
- Regulated carbon footprint
- OHSAS 18001 and ISO 14001 Std.



Product

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

Linear Performance Warranty

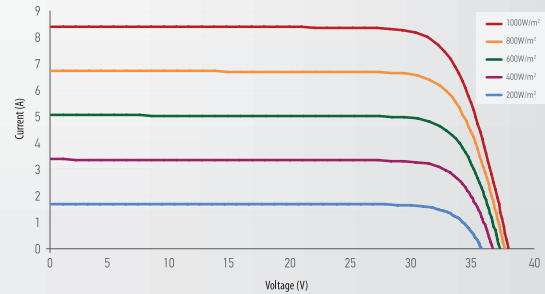


First Year Output $\geq 97\%$

2-24 Year Decline $\leq 0.65\%$

25 Year Output $\geq 81.40\%$

I-V Curve



The module relative power loss at low light irradiance of 200W/m² is less than 3%

www.mirsolar.com.tr



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Solar Module

Electrical Characteristics

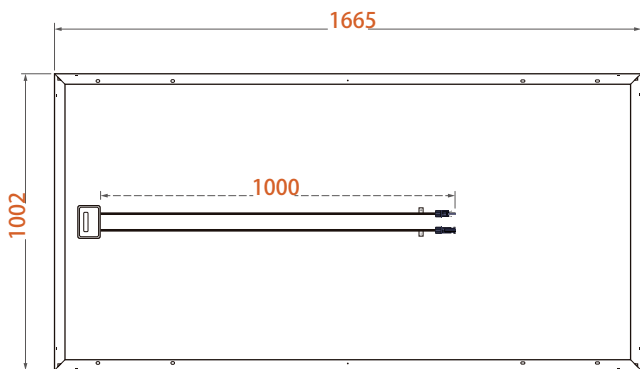
	MIR310M 60C/M	MIR315M 60C/M	MIR320M 60C/M	MIR325M 60C/M	MIR330M 60C/M	MIR335M 60C/M
Rated Power						
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Maximum Power Voltage (Vmp)	32.70V	32.95V	33.54V	34.02V	34.30V	34.97V
Maximum Power Current (Imp)	9.48A	9.56A	9.56A	9.57A	9.62A	9.63A
Open Circuit Voltage (Voc)	40.06V	40.36V	41.02V	41.46V	41.67V	42.33V
Short Circuit Current (Isc)	10.00A	10.03A	10.04A	10.09A	10.17A	10.18A
Module Efficiency	18.58%	18.88%	19.18%	19.48%	19.78%	20.07%
Maximum Series Fuse	15A	15A	15A	15A	15A	15A
Maximum System Voltage	1.000 VDC (IEC) - 1.000 VDC (UL) / 1.500 VDC (upon request)					

Tested at Standard Test Conditions. Measurement tolerances: $\pm 3\%$

Mechanical Data

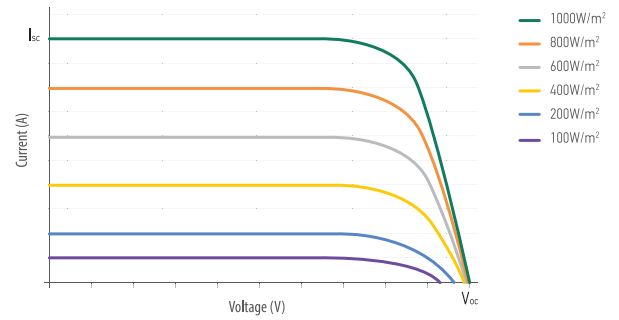
Dimensions	1665 mm x 1002 mm x 35 mm
Weight	19 Kg
Frame Front	Anodized aluminum Tempered
Glass	glass(EN121150)
Connectors	MC4
Junction Box	IP68.IP65 3 bypass diodes

Dimensions



I-V Curve

The module relative power loss at low light irradiance of 200W/m² 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)	45 \pm 2 °C

Packing Configuration

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

