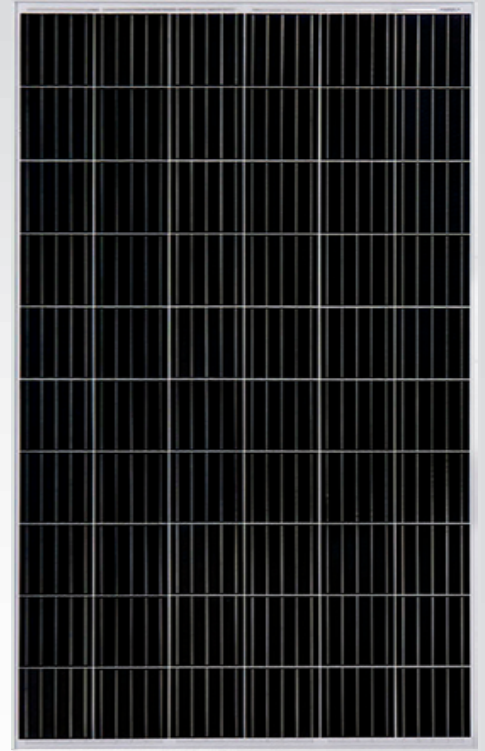


# bir Dünya enerji

PREMIUM  
SOLAR MODULES  
**375-400W**

**72**  
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

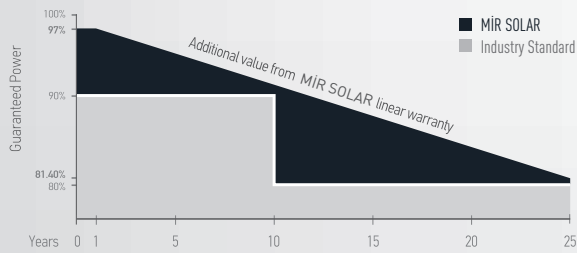
- Regulated carbon footprint
- OHSAS 18001 and ISO 14001 Std.



### Product

- Class 375-400 Wp -0/+4.99 Wp
- Mono cells
- 72 cells per module

## Linear Performance Warranty

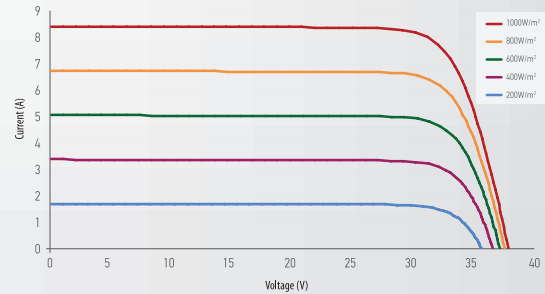


First Year Output  $\geq 97\%$

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/m<sup>2</sup> is less than 3%

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# Solar Module

## Electrical Characteristics

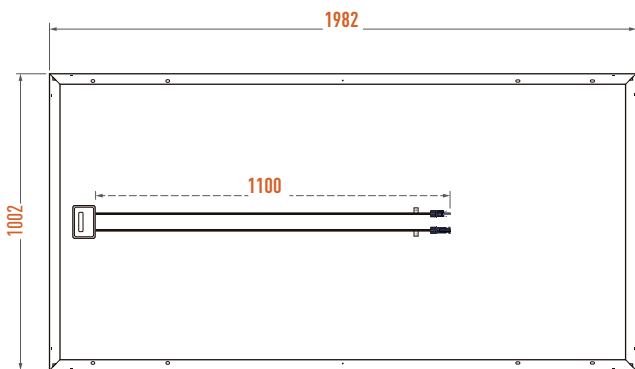
	MIR375M 72C/M	MIR380M 72C/M	MIR385M 72C/M	MIR390M 72C/M	MIR395M 72C/M	MIR400M 72C/M
Rated Power						
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Maximum Power Voltage (Vmp)	40.20V	40.50V	40.80V	41.10V	41.40V	41.70V
Maximum Power Current (Imp)	9.33A	9.39A	9.44A	9.50A	9.55A	9.61A
Open Circuit Voltage (Voc)	48.80V	49.00V	49.20V	49.40V	49.60V	49.80V
Short Circuit Current (Isc)	9.68A	9.76A	9.89A	9.99A	10.09A	10.20A
Module Efficiency	18.91%	19.16%	19.42%	19.67%	19.92%	20.18%
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

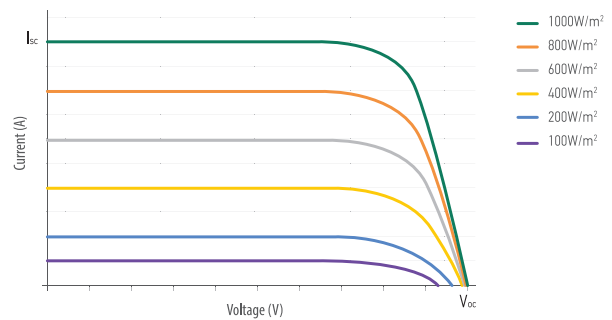
Dimensions	1982mm x 1002 mm x 40 mm
Weight	21.5 Kg
Frame	Anodized aluminum
Front Glass	3.2 mm ARC, tempered glass
Output Cables	TUV (2Pfg1169:2007), UL 4703, UL44 4.0 mm <sup>2</sup> (0.006 in <sup>2</sup> ), symmetrical lengths (-) 1000 mm and (+) 1000 mm, MC4 type connectors

## 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)	45 $\pm$ 2 °C

## Packing Configuration

Container	40'HC
Pieces per Pallet	26
Pieces per Container	640

