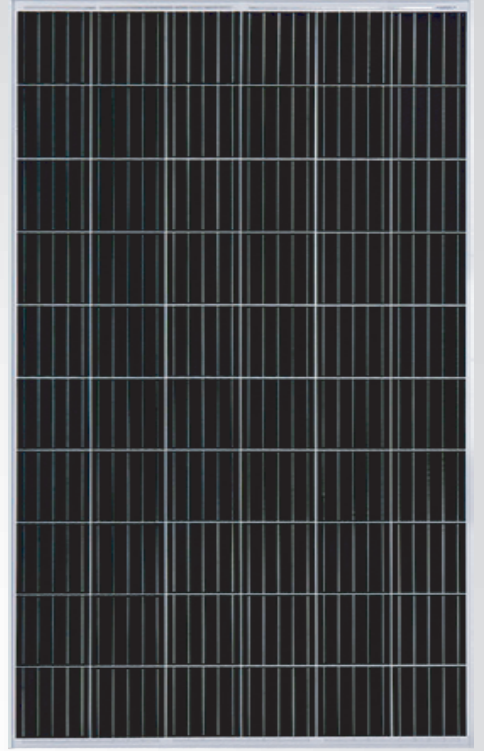


bir Dünya enerji

PREMIUM
SOLAR MODULES
385-410W

72
Cells
Mono-PERC
5BB



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

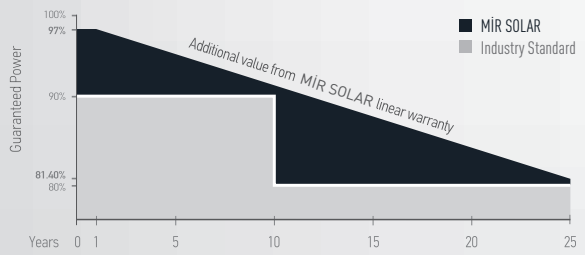
- Regulated carbon footprint
- ISO 45001 and ISO 14001 Std.



Product

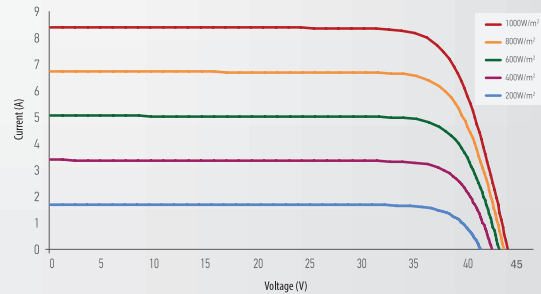
- Class 385-410 Wp -0/+4.99 Wp
- Mono cells
- 72 cells per module

Linear Performance Warranty



First Year Output **97%** 2-24 Year Decline **0.65%** 25 Year Output **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

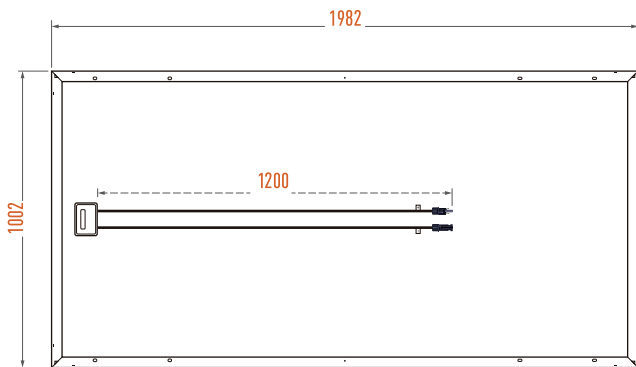
	MIR385M 72C/M	MIR390M 72C/M	MIR395M 72C/M	MIR400M 72C/M	MIR405M 72C/M	MIR410M 72C/M
Rated Power						
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Maximum Power Voltage (Vmp)	40.80	41.10	41.40	41.70	42.00	42.30
Maximum Power Current (Imp)	9.44	9.50	9.55	9.61	9.65	9.70
Open Circuit Voltage (Voc)	49.20	49.40	49.60	49.80	50.00	50.20
Short Circuit Current (Isc)	9.89	9.99	10.09	10.20	10.21	10.25
Module Efficiency (%)	19.42	19.67	19.92	20.18	20.39	20.64
Maximum System Voltage	DC 1500V/1000V					
Maximum Series Fuse	15A					

Tested at Standart Test Conditions: Irradiance 1000W/m², AM 1.5, Cell Temperature 25°C

Mechanical Data

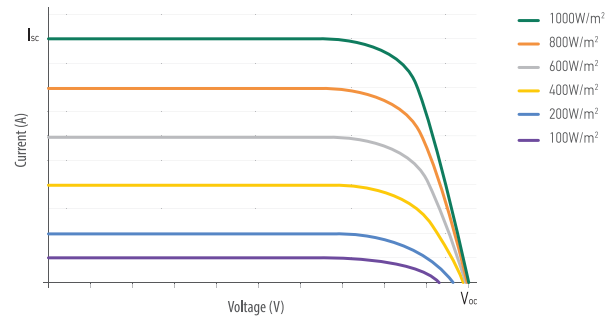
Dimensions	1982mm x 1002mm x 40mm
Weight	21.5kg
Frame	Anodized aluminum
Front Glass	3.2 mm ARC, Low iron, tempered glass
Output Cables	TUV (2Pfg1169:2007), UL 4703, UL44 4.0 mm ² (0.006 in ²), symmetrical lengths (-) 1000 mm and (+) 1000 mm, MC4 type connectors

Dimensions



I-V Curve

The module relative power loss at low light irradiance of 200W/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)	43 ± 2°C

Packing Configuration

Container	40'HC
Pieces per Pallet	27
Pieces per Container	702

