

For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

Email: contact@energypal.com

EnergyPal

Solar Panel Guide Specification Data Sheet

**Mirsolar Energy A.S.
MIR285P-305P 60C/M
MIR300P 60C/M**

Also available on the web at
EnergyPal.com/mirsolar-energy-a-s-solar-panels/mir300p-60c-m

bir Dünya enerji

HIGH EFFICIENCY
SOLAR MODULES
285W-320W

60
Cells
Monocrystalline

25%

Up to 25% More Energy

Increased energy yield & faster return on investment through module-level MPPT



Safety Guaranty

Safety during installation, maintenance, firefighting & other emergencies



Constraint Free Design

Maximum space utilization with minimum design time



Cost Efficient Maintenance

Full visibility of system performance & remote troubleshooting

PID

Anti-PID



Positive current sorting

25
YEAR

10-year product warranty
25-year linear performance warranty



Fire test resistance



IP68

IP68 connectors enhance the reliability of the PV system



Certified to withstand increased loads of up to 5400Pa

www.mirsolar.com.tr



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Solar Module

ELECTRICAL TYPICAL VALUES

Model	MIR285P 60C/M	MIR290P 60C/M	MIR295P 60C/M	MIR300P 60C/M	MIR305P 60C/M	MIR310P 60C/MPERC	MIR315P 60C/MPERC	MIR320P 60C/MPERC
Type	Monocrystalline & PERC Monocrystalline 6 Inch x 6 Inch Square, 6 x 10 Pieces in series							
Rated Power (Pmpp)	285	290	295	300	305	310	315	320
Tolerance	0~+5W							
Rated Voltage (Vmpp)	32,01	32,12	32,28	32,37	32,75	33,21	33,56	33,59
Rated Current (Impp)	8,91	9,04	9,16	9,28	9,32	9,37	9,39	9,53
Open Circuit Voltage (Voc)	38,65	39,40	39,62	39,78	39,90	40,21	40,33	40,90
Short Circuit Current (Isc)	9,34	9,65	9,72	9,82	9,91	9,89	9,93	10,10
Module Efficiency (%)	17,52	17,83	18,13	18,44	18,75	19,05	19,36	19,67
Nominal Operation Cell Temperature	45°C ± 2°C				45°C ± 2°C			
Voltage Temperature Coefficient	-0,31%/°C				-0,29%/°C			
Current Temperature Coefficient	+0,06%/°C				+0,05%/°C			
Power Temperature Coefficient	-0,39%/°C				-0,37%/°C			

MECHANICAL CHARACTERISTICS

Dimension (L x W x H)	Length: 1640mm (64.57 inch) Width: 992mm (39.06 inch) Height: 35mm (1.38 inch)
Weight	19kg (41.9 lbs)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm ² (IEC) / 12AWG (UL), 900mm
Junction Box	IP 68 rated

ABSOLUTE MAXIMUM RATING

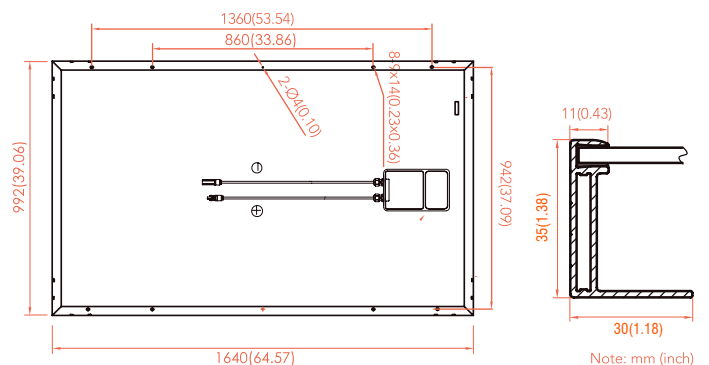
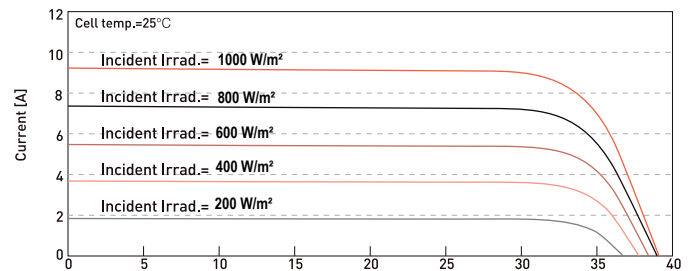
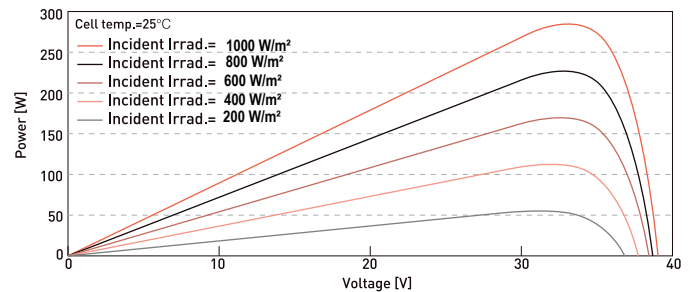
Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	15A
IEC Application Class (IEC61730)	A
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1000V (IEC)

PACKING CONFIGURATION

Container	40'HQ	20'GP
Pieces / Container	728	264

- In compliance with our warranty terms and conditions.
- Measurement conditions under irradiance level of Standard Test Conditions(STC): 1000 W/m² Air mass 1.5 Spectrum, cell temperature of 25°C.

WEAK LIGHT PERFORMANCE



Genel Merkez / Headquarter
Barbaros Mah. Ak Zambak Sk.
Uphill Court Towers B Blok D:122
Ataşehir İstanbul

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