



HIGH EFFICIENCY
SOLAR MODULES
285W-320W

60
Cells
Monocrystalline



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



Anti-PID



Positive current sorting



10-year product warranty
25-year linear performance warranty



Fire test resistance



IP68 connectors enhance the reliability of the PV system



Certified to withstand increased loads of up to 5400Pa

www.mirsolar.com.tr



LOTUS ENERGIE

Reliable Energy Solutions

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

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

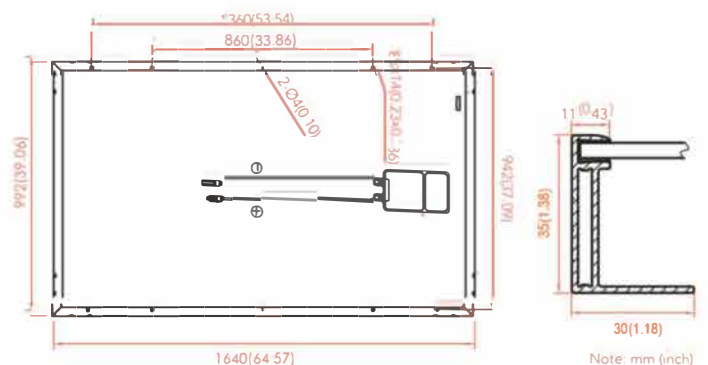
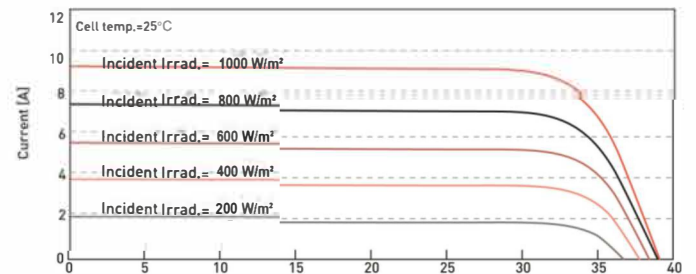
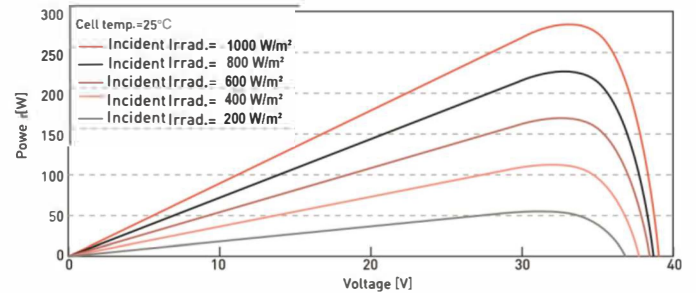
Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	15A
IEC Application Class (IEC61730)	A
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1000V (IEC)

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



LOTUS ENERGIE
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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 Efficency (%)	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		