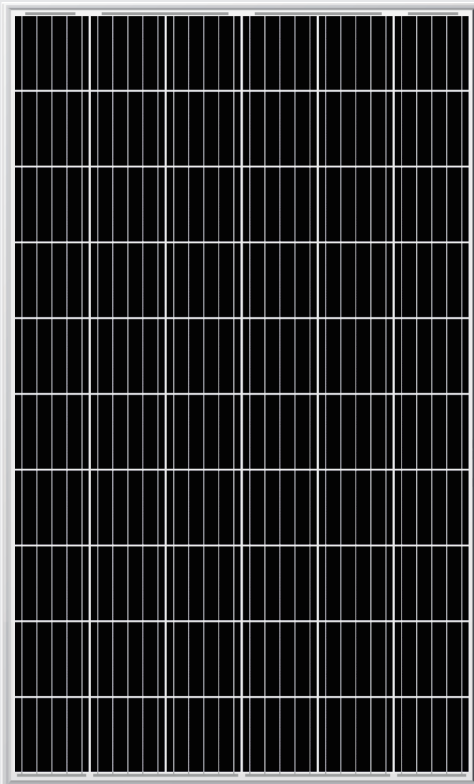


# Einnova Solarline

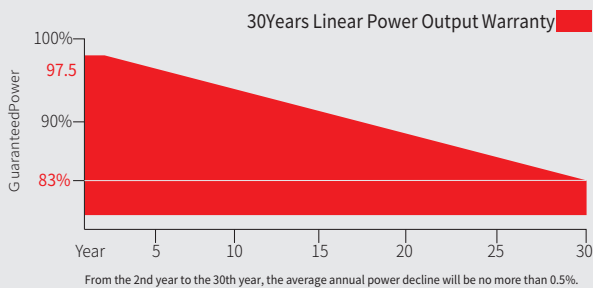
*invented for solar*



## Perc Mono Solar Module ESM 380/385/390/395/400

### FEATURES

- Excellent module efficiency up to 20.17% by using high efficient Monocrystalline solar cells 158.75\*158.75mm
- Outstanding performance at low irradiance above 96.3%
- Heavy snow load up to 5400 Pa and wind load up to 3800Pa
- IP65 or 67 junction box is available for long term weather endurance
- Salt mist, ammonia and blowing sand resistance, apply to seaside, farm and desert areas
- Positive power tolerance up to 5w
- Selective materials and rigid process effectively control Potential Induced Degradation (PID)
- Total quality control and complete traceability of Material by Shop Floor Control (SFC)



### WARRANTY

- 12 Years Product Workmanship Warranty
- 12 Years Minimum 92% Power Output
- 30 Years Minimum 83% Power Output

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International Group Ltd.

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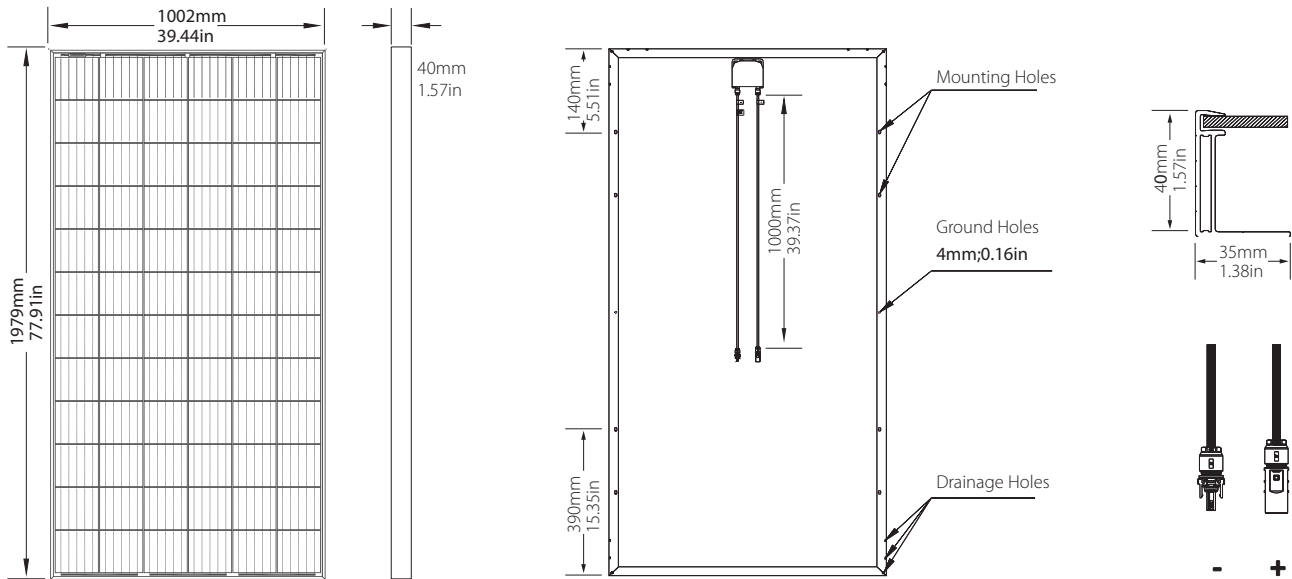
info@einnova-solarline.com  
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EN

# Mono crystalline Solar Module

## ESM 380/385/390/395/400

**Einnova Solarline**  
invented for solar



## Electrical Specification

Model Type	Unit	ESM 380	ESM 385	ESM 390	ESM 395	ESM 400
Maximum Power (Pmax)	W	380	385	390	395	400
Module Efficiency	%	19.16	19.42	19.67	19.92	20.17
Open Circuit Voltage (Voc)	V	48.9	49.1	49.3	49.5	49.8
Short Circuit Current (Isc)	A	9.75	9.92	10.12	10.23	10.36
Maximum Power Voltage (Vmp)	V	40.5	40.8	41.1	41.4	41.7
Maximum Power Current (Imp)	A	9.39	9.44	9.49	9.55	9.60
Maximum System Voltage	V	1500V(IEC/UL)/1000V(IEC/UL)				
Maximum Series Fuse Rating	A	20A				
Power Tolerance		0~+5W				

Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

The NOCT is obtained under the Test Conditions: 800W/m<sup>2</sup>, 20°C ambient temperature, AM 1.5 Spectrum, 1m/s wind speed.

## Mechanical Specification

Module Dimension (mm)	1979× 1002× 40
Cell Dimension (mm)	158.75×158.75
Number of Cell	72( 6 x 12 )
Glass Thickness (mm)	3.2
Weight (kgs)	22.5
Maximum Load (TUV) (Pascal)	5400
Junction Box and Cable connector	IP65 or IP 67 rated; MC4 compatible

## Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45 +/- 2 °C
Temperature Coefficient ( Pmax )	-0.39% / °C
Temperature Coefficient ( Voc )	-0.30% / °C
Temperature Coefficient ( Isc )	0.05% / °C
Operating Temperature	-40~85 °C

## IV CURVE

