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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Einnova Solarline, China Jiangsu International  
Group**

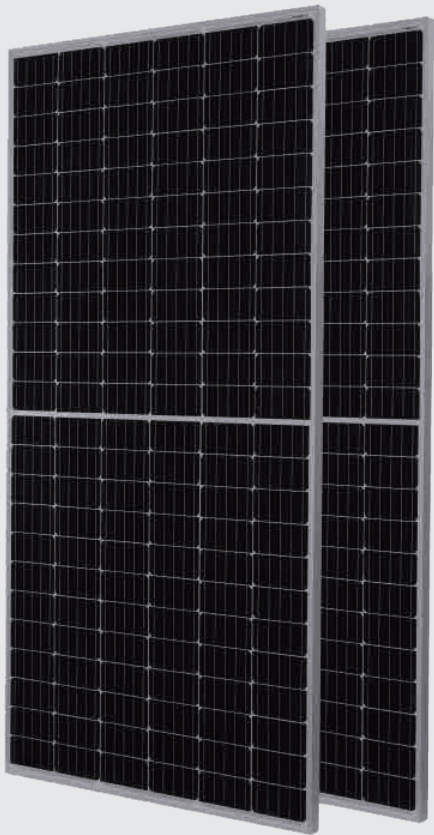
**ESM 385/390/395/400H PERC**

**ESM 400H**

Also available on the web at  
[EnergyPal.com/einnova-solarline-china-jiangsu-international-group-solar-panels/esm-400h](http://EnergyPal.com/einnova-solarline-china-jiangsu-international-group-solar-panels/esm-400h)

# Einnova Solarline

*invented for solar*

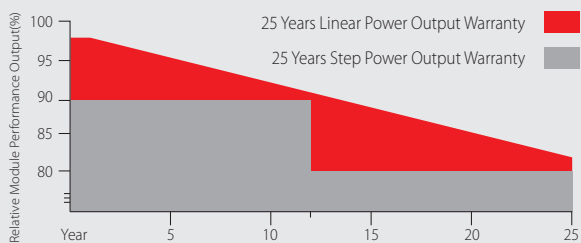


## Half cut Mono crystalline Solar Module

### ESM 385/390/395/400H PERC

## FEATURES

- Positive power tolerance up to 5w
- Heavy snow load up to 5400 Pa and wind load up to 3800Pa
- IP68 junction box is available for long term weather endurance
- Salt mist, ammonia and blowing sand resistance, apply to seaside, farm and desert areas
- 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 90% Power Output
- 25 Years Minimum 80% Power Output

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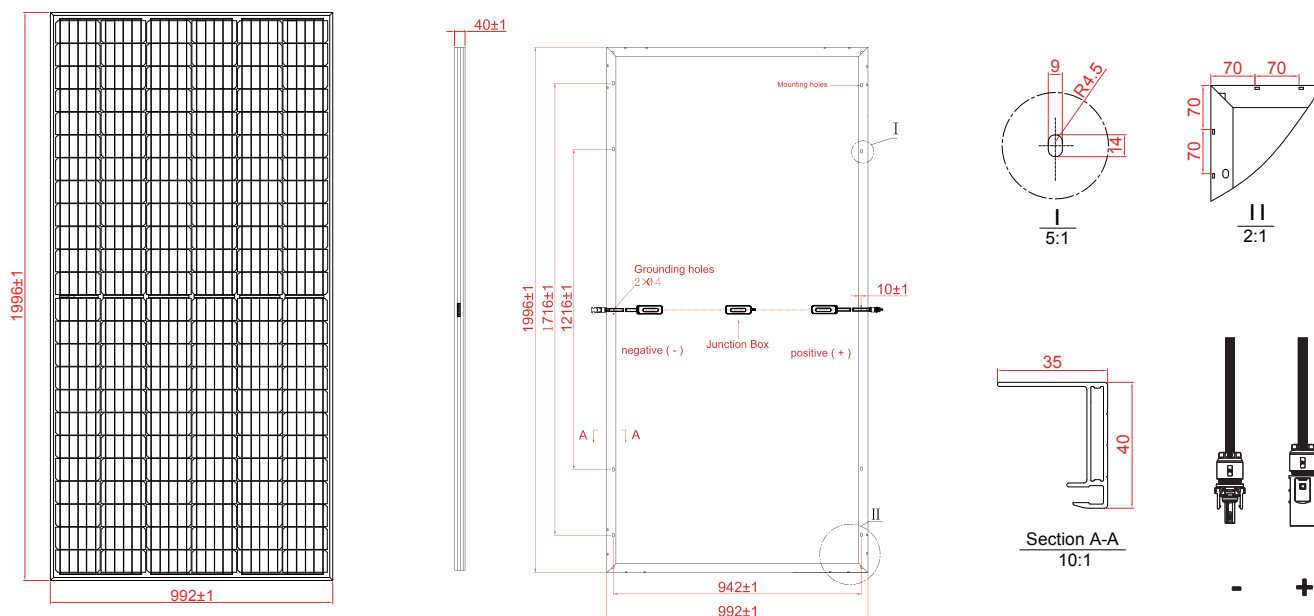
EN

The specifications are subject to change without prior notice.

# Half cut Mono crystalline Solar Module

## ESM 385/390/395/400H PERC

**Einnova Solarline**  
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### Electrical Specification

Model Type	Unit	ESM 385H	ESM 390H	ESM 395H	ESM 400H
Maximum Power (Pmax)	W	385	390	395	400
Module Efficiency	%	19.07	19.32	19.56	19.81
Open Circuit Voltage (Voc)	V	48.5	48.7	48.9	49.1
Short Circuit Current (Isc)	A	9.87	9.95	10.03	10.10
Maximum Power Voltage (Vmp)	V	41.0	41.2	41.4	41.6
Maximum Power Current (Imp)	A	9.39	9.47	9.55	9.62
Maximum System Voltage	V	ICE 1000VDC/UL1500(VDC)			
Maximum Series Fuse Rating	A	20A			

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.

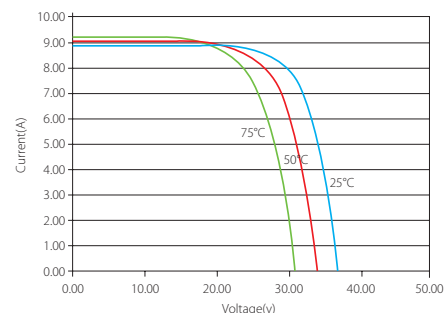
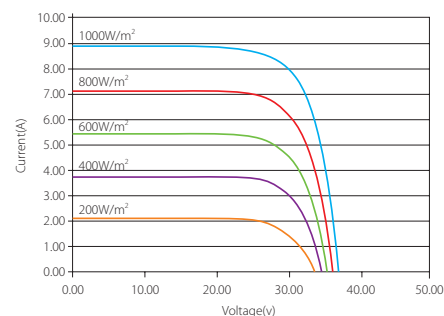
### Mechanical Specification

Module Dimension (mm)	1996× 992× 40
Cell Dimension (mm)	156.75 x 78.375
Number of Cell	144PCS
Weight (kgs)	21.5kg
Maximum Load (TUV) (Pascal)	5400
Junction Box and Cable connector	IP68 rated; MC4 compatible
Back-sheet Color	White or Black
Frame Color	Silver or Black

### Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45 +/- 2 °C
Temperature Coefficient ( Pmax)	-0.367% / °C
Temperature Coefficient ( Voc )	-0.320% / °C
Temperature Coefficient ( Isc )	0.107% / °C
Operating Temperature	-40~85 °C

### IV CURVE



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