

## **GEPV-173**

### 173 WATT PHOTOVOLTAIC MODULE

#### FEATURES

- 54 single-crystal cells connected in series
- Peak power of 173 Watts at 25.1 Volts
- Designed for optimum use in residential and commercial grid-tied applications
- 25-year limited warranty on power output, 5-year limited warranty on materials and workmanship\*
- Pre-wired junction box with MC Connectors

#### BENEFITS

- Output power tolerance of +/-5% ensures module satisfies maximum rated power output
- Robust, lightweight, clear anodized aluminum frame with pre-drilled holes for quick installation

#### CERTIFICATIONS

The GEPV-173 Module meets the following requirements:

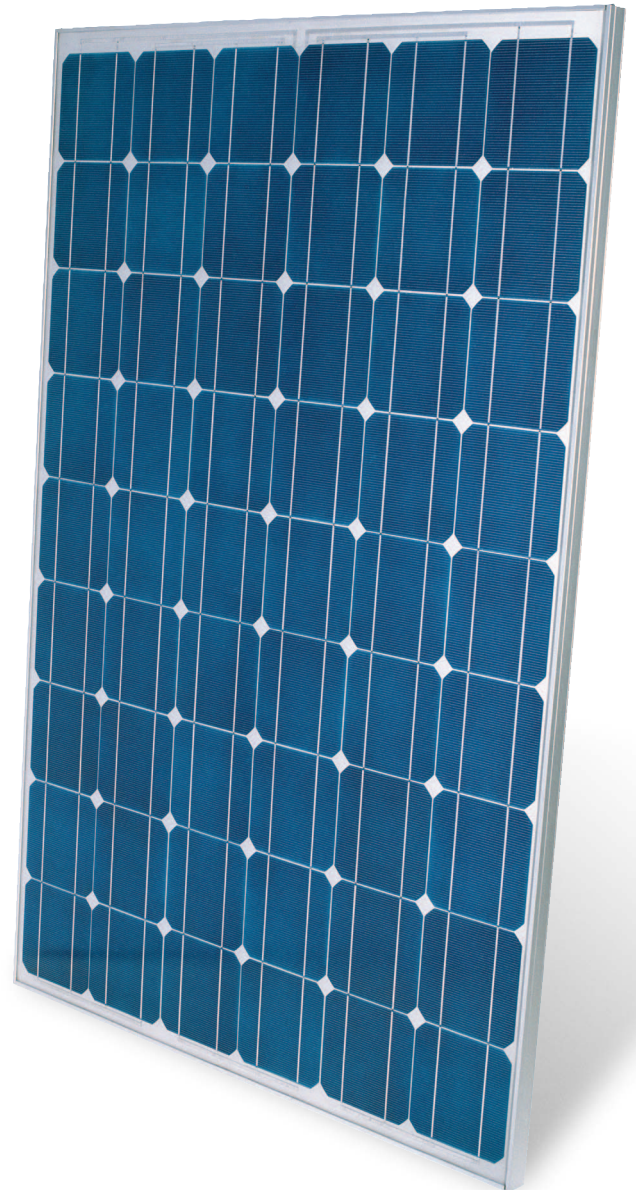


UL-1703



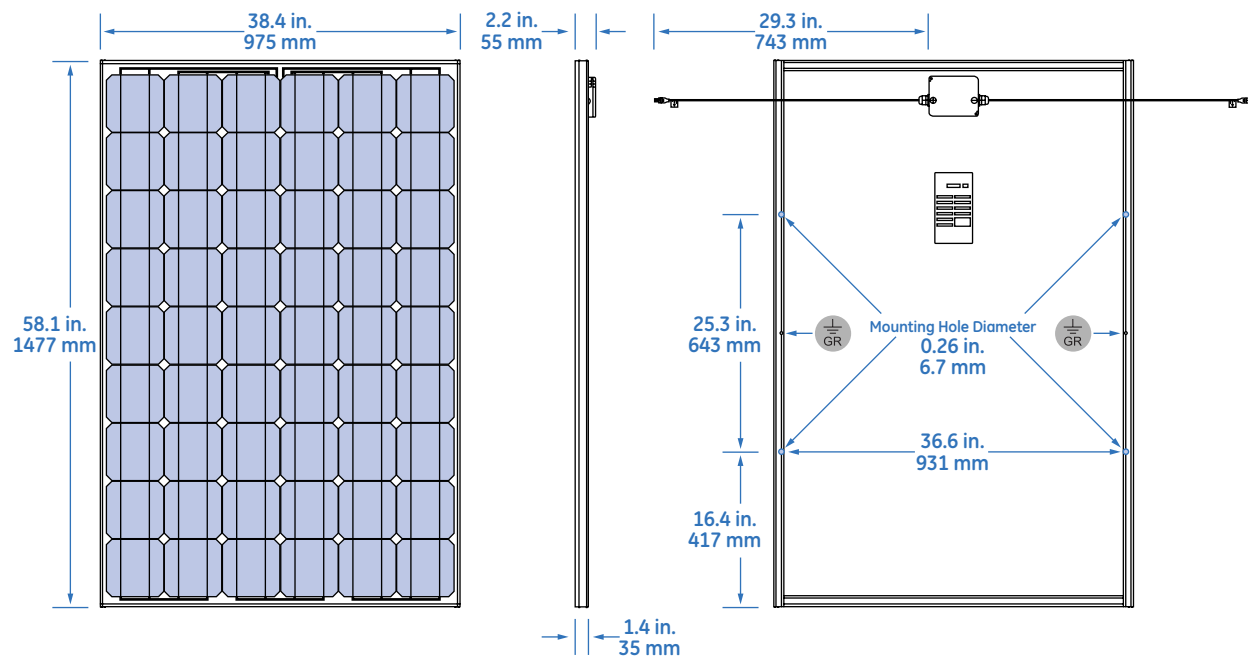
IEC-61215

\*Refer to GE Energy Product Warranty for specific details



imagination at work

## PHYSICAL CHARACTERISTICS

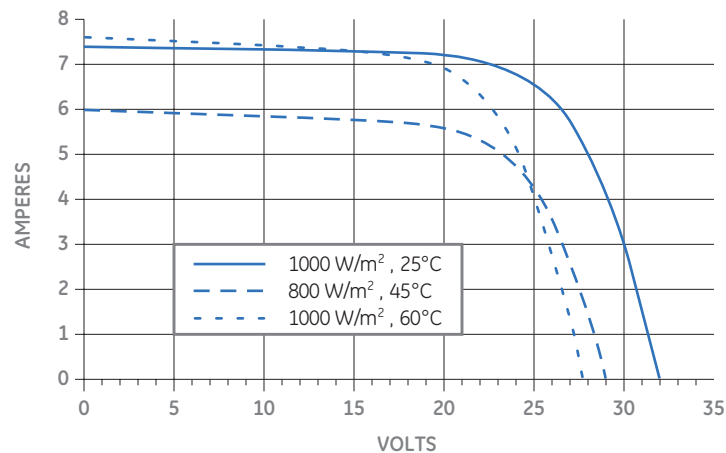


### Physical Design Properties

Weight	39.0 lb [17.7 kg]
Weight (Wind) Bearing Potential	50 lbs/ft <sup>2</sup> [125 mph equivalent]
Hailstone Impact Resistance	1" @ 50 mph [25 mm @ 80 kph]

## ELECTRICAL PERFORMANCE

### Typical I-V Curve for GEPV-173 Module



### Typical Performance Characteristics

Peak Power (Wp)	Watts	173
Max. Power Voltage (Vmp)	Volts	25.1
Max. Power Current (Imp)	Amps	6.9
Open Circuit Voltage (Voc)	Volts	32.2
Short Circuit Current (Isc)	Amps	7.5
Short Circuit Temp. Coefficient	mA/°C	+3
Open Circuit Voltage Coefficient	V/°C	-0.13
Max. Power Temp. Coefficient	%/°C	-0.5
Max. Series Fuse	Amps	15
Normal Operating Cell Temperature [NOCT]	deg. C	45

I-V parameters are rated at Standard Test Conditions (Irradiance of 1000 W/m<sup>2</sup>, AM 1.5G, cell temperature 25°C). As with all single-crystal PV Modules, during the stabilization process that occurs during the first few days in service, module power may decrease approximately 3% from typical maximum power due to a phenomenon known as Light Induced Degradation (LID). All measurements are guaranteed at the laminate leads. NOCT is defined as 800 W/m<sup>2</sup>, 20 deg. C ambient, and 1 m/s windspeed.



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