



Made in Canada



## Five Key Features

- 1 Highly Bankable**  
Proven field performance with strong company financials
- 2 Industry-Leading Warranty**  
12 year workmanship warranty, 25 year linear performance warranty\*
- 3 Positive Power Sorting**  
Predictable output of 0 to +5W
- 4 Robust Design**  
Certified to withstand high snow loads, up to 5400 Pa\*\*, and available for 600V or 1000V applications.
- 5 Made in Ontario**  
Reliable solar modules that meet domestic content requirements

\* Please refer to Hanwha Solar Canada Inc Product Warranty for details.

\*\* Please refer to Hanwha Solar Canada Inc module Installation Guide.

## Quality and Environmental Certificates

- ISO9001 quality standards and ISO 14001 environmental standards
- ETL Certified to UL1703/ULC ORD C1703 for use in US and Canada
- TUV Certified IEC 61215 and IEC 61730-1-2 for use in the rest of the world



## About Hanwha Solar

Hanwha SolarOne, Hanwha Solar Canada's parent is a vertically integrated manufacturer of photovoltaic modules designed to meet the needs of the global energy consumer.

- High reliability, guaranteed quality, and excellent cost-efficiency due to vertically integrated production and control of the supply chain;
- Optimization of product performance and manufacturing processes through a strong commitment to research and development;
- Global presence throughout Europe, North America, and Asia, offering regional technical and sales support.

# HSC 60 Poly Can-Am

## Electrical Characteristics

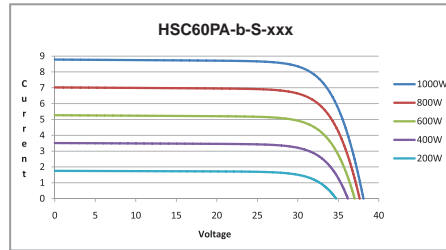
### Electrical Characteristics at Standard Test Conditions (STC)

Power Class	245 W
Maximum Power ( $P_{max}$ )	245 W
Open Circuit Voltage ( $V_{oc}$ )	37.7V
Short Circuit Current ( $I_{sc}$ )	8.65 A
Voltage at Maximum Power ( $V_{mpp}$ )	30.2 V
Current at Maximum Power ( $I_{mpp}$ )	8.11 A
Module Efficiency	15.0 %

$P_{max}$ ,  $V_{oc}$ ,  $I_{sc}$ ,  $V_{mpp}$ , and  $I_{mpp}$  tested at STC defined as irradiance of 1000 W/m<sup>2</sup> at AM 1.5 solar spectrum and temperature 25 ± 2°C. Electrical Characteristics: Measurement tolerance of ± 3%.

### Performance at Low Irradiance:

The typical relative change in module efficiency at an irradiance of 200 W/m<sup>2</sup> in relation to 1000 W/m<sup>2</sup> (both at 25°C and AM 1.5 spectrum) is less than 5%.



### Temperature Characteristics

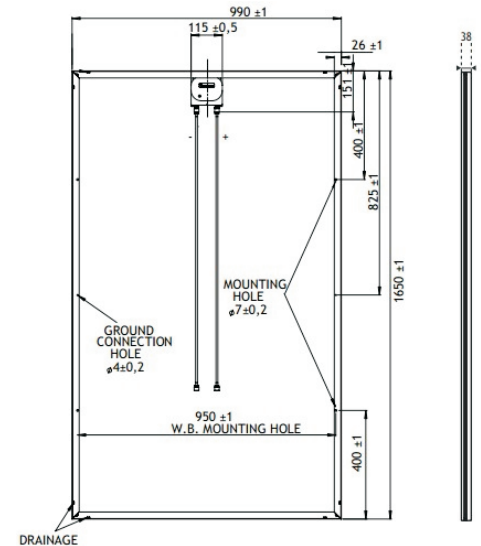
Normal Operating Cell Temperature (NOCT)	41°C ±2°C
Temperature Coefficients of P	-0.40%/°C
Temperature Coefficients of V	-0.34%/°C
Temperature Coefficients of I	+0.06%/°C

### Maximum Ratings

Maximum System Voltage	600V or 1000 V
Series Fuse Rating	15 A
Maximum Reverse Current	Series fuse rating multiplied by 1.35

## Mechanical Characteristics

Dimensions (± 1 mm)	1650mm x 990mm x 38mm (64.96in x 38.98in x 1.5in)
Weight (± 1 kg)	19 kg (41.9 lbs)
Frame	Aluminum alloy
Front	AR Coated Tempered Glass
Encapsulant	EVA
Back Cover	Composite sheet
Cell Technology	Polycrystalline 3 busbar
Cell Size	156mm x 156mm (6in x 6in)
Number of Cells (Pieces)	60 (6 x 10)
Junction Box	Protection class IP65 with bypass-diode
Output Cables	Solar cable: 4mm <sup>2</sup> ; length 1300mm (51.2in)
Connector Type	MC4 Comparable



Please read the safety and installation manual before using this product.

## System Design

Operating Temperature	-40°C to 85°C
Hail Safety Impact Velocity	25mm at 23m/s
Fire Safety Classification (IEC) 61730	Type 2
Static Load Wind/Snow	2400 Pa/5400Pa

## Packaging and Storage

Storage Temperature	-40°C to 85°C
Packaging Configuration	35 modules per pallet
Loading Capacity (53 ft. Trailer)	630 modules

