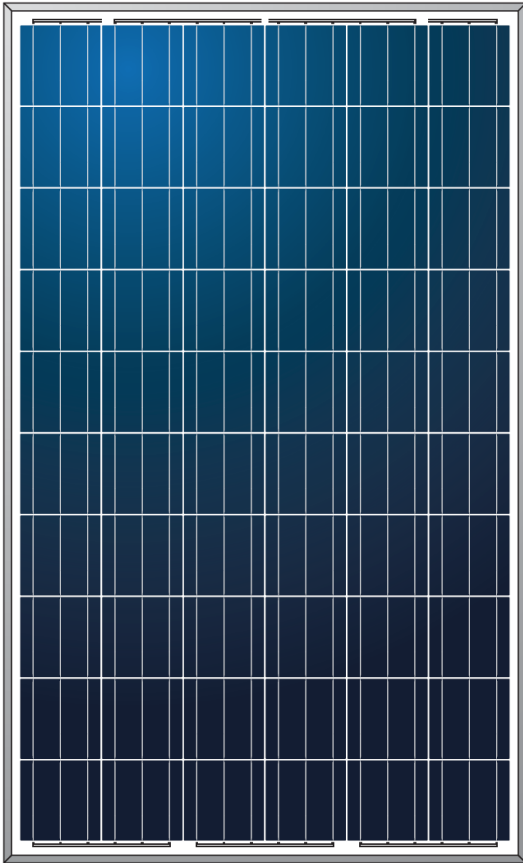




HES-250 // 250Wp // 60-Cell Poly-Crystalline Solar Module



www.hespv.ca



POWER EXCELLENCE

The HES-250 panel guarantees a positive output tolerance on every panel from [0 : + 5 W]

HIGH-QUALITY COMPONENTS

HES PV's dedication to using the highest quality components takes front row protocols when selecting suppliers & manufacturers.

RELIABLE

25 Year Linear Performance Guarantee
10 Year limited warranty on material and workmanship

HES-250 solar modules are made using only the highest quality poly-crystalline solar cells, designed and manufactured by industry leading suppliers. High transmission textured glass is used to take advantage of increased light diffusion and snow-shedding abilities. Finally, anodized aluminum frame creates a rigid body to support the module in any application, residential/commercial rooftop to utility scale ground mount, and tracking systems.



CONTACT YOUR HES PV SOLAR PROVIDER TODAY



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HES-250 // 250Wp // 60-Cell Poly-Crystalline Solar Module

ELECTRICAL CHARACTERISTICS

Max Power (Pmax)	250 W
Tolerance of (Pmax)	[- 0 : +5 W]
Type of Cell	Poly-Crystalline
Cell Configuration	60 in series
Open Circuit Voltage (Voc)	37.41 V
Maximum Power Voltage (Vpm)	29.98 V
Short Circuit Current (Isc)	8.79 A
Maximum Power Current (Ipm)	8.34 A
Module Efficiency *	15.40%
Maximum (DC) Voltage	1000 VDC / 1500 VDC
Series Fuse Rating	15 A
NOCT	45°C ±3
Temperature Coefficient (Pmax)	-0.44%/C
Temperature Coefficient (Voc)	-0.32%/C
Temperature Coefficient (Isc)	+0.055%/C

STC - Standard Test Conditions: Irradiation 1000 W/m² - Air mass AM 1.5 - Cell temperature 25 °C

* Calculated using maximum power based on full positive output tolerance [-0: +5] Wp

MECHANICAL CHARACTERISTICS

Dimensions (W x H x D)	39" x 64.4" x 1.6" 992 x 1636 x 40 mm
Output Interconnect Cable	MC4 type connectors
Weight	19.3 kg / 42.5 lbs
Max Wind Load / Snow Load	2400Pa / 5400Pa
Operating Temperature	-40 to 85° C -40 to 185°F

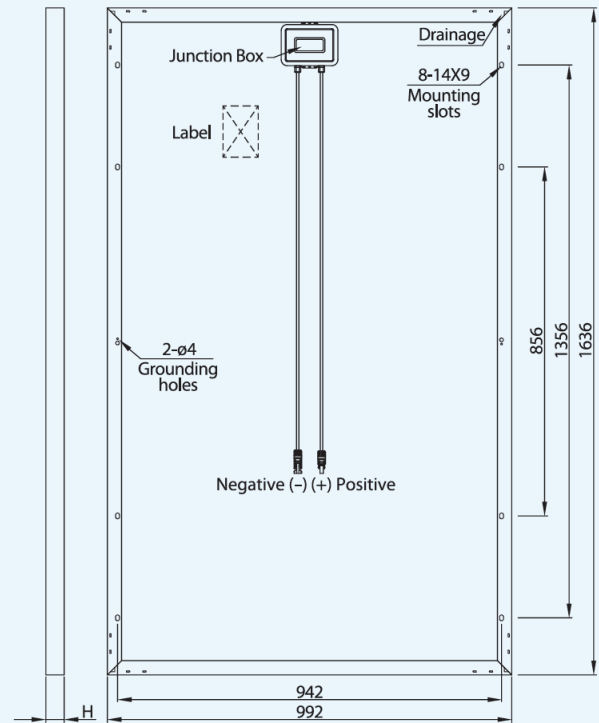
LINEAR WARRANTY

No more than 3% peak power degradation in 1st Year

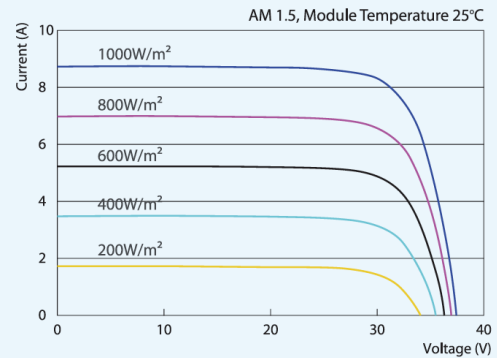
No more than .7% peak power degradation in coming 24 years

Free from defects of materials and workmanship for 10 years

DIMENSIONS



IV CURVES



CERTIFICATIONS



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