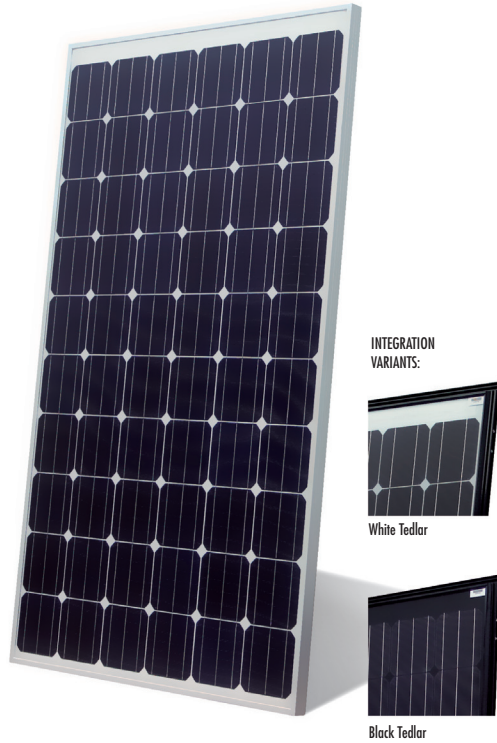


HEE215M

MODEL NUMBER



FEATURES

- Incorporate integrated high efficiency solar cells to obtain a solar maximum yield.
- Absorber surface and innovative 3 bus bars provide higher power output.
- 4mm solar transparent glass and 40mm aluminum frame guarantee the best resistance and reliability.
- High power modules with maximum efficiency and differential positive tolerance allow high energy production.
- IEC 61730, CE and UL/ORD-C1703-01 listed number 4001272 certifications.
- 10 year manufacturing, 90% of nominal output at 10 years and 80% of nominal output at 25 years.

Heliene provides the required 15% on the FIT Program for Ontario Domestic Content (13% on MicroFIT) as within the manufacturing process, Heliene electrically interconnect the solar cells through their proprietary state-of-the-art soldering process and encapsulates the module materials through the lamination process.

ELECTRICAL SPECIFICATIONS

Output Classes	250	245
<b>Electrical Data STC</b>		
<i>Air Mass AM 1.5– Irradiation 1000 W/m<sup>2</sup> – Cell Temperature 25°C</i>		
Rated Output PMPP (W)	250	245
MPP Voltage (V)	30.30	30.03
MPP Current (A)	8.22	8.18
Open-Circuit Voltage (V)	37.40	37.26
Short-Circuit Current (A)	8.72	8.71
<b>Electrical Data NOCT</b>		
<i>Nominal Operating Cell Temperature 45°C – Irradiation 1000 W/m<sup>2</sup> – Ambient Temperature 20°C – Wind Speed 1 m/s</i>		
Rated Output PMPP (W)	183	179
MPP Voltage (V)	27.30	27.10
MPP Current (A)	6.7	6.6
Open-Circuit Voltage (V)	34.5	34.4
Short-Circuit Current (A)	7.25	7.2

AGT is affiliated with the following Canadian associations –



HEE215M

MODEL NUMBER

### MECHANICAL SPECIFICATIONS

Cells / Module	60 Monocrystalline Solar Cells, 3 Bus Bars
Cell Dimensions	156 x 156mm, Pseudo - Square
Frontside	4mm Solar Glass, Highly Transparent and Anti-Reflective
Encapsulation	EVA – Solar Cells – EVA
Backside	Polyester Multilayer Sheet
Frame	Bright Anodised Aluminum
Connection	2 x 1.2m Solar Cables with Multicontact Connectors
Bypass Diodes	3

### OTHER ELECTRICAL PARAMETERS

System Voltage (V)	600
Temperature Coefficient ISC (%/°C)	0.07
Temperature Coefficient PMPP (%/°C)	-0.44
Temperature Coefficient UOC (%/°C)	-0.34

### LIMITS VALUES

Permissible Module Temperature	-40 to +80°C
Output Tolerance	+/- 3%

### HELIENE TECHNICAL DRAWING

