

## InstaGen 260w Solar Panels

### Monocrystalline Photovoltaic Modules

#### InstaGen

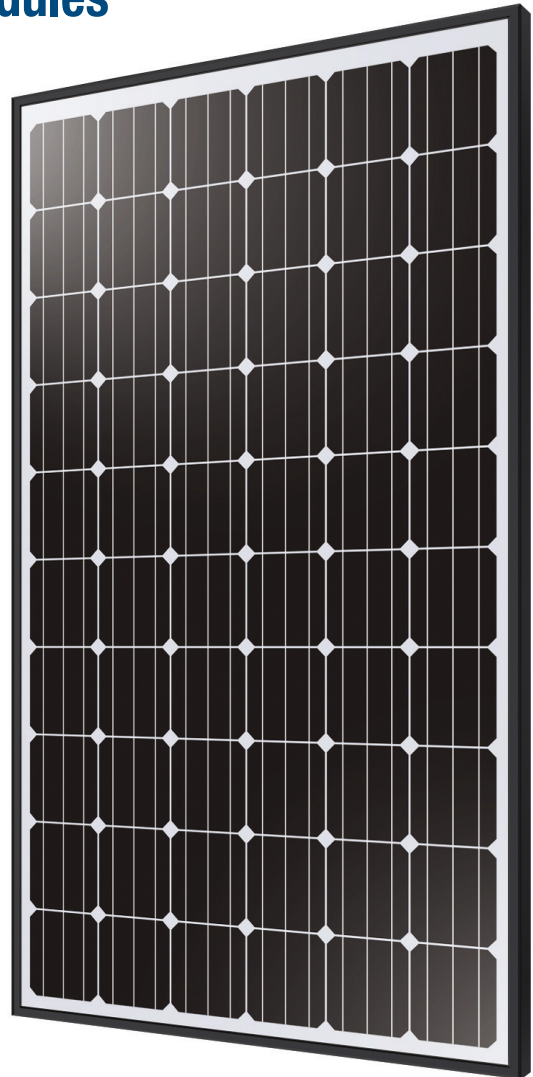
- High quality monocrystalline photovoltaic modules, which deliver exceptional performance and yield
- Perfect for large, medium or small sized residential, commercial and agricultural systems
- Easy Installation with all universal mounting systems

#### Product Features

- High performance in low light conditions, allowing the module to operate in mornings, evenings and cloudy days
- Positive power tolerance of 0/+3 ensures that the 260w output is always delivered or exceeded
- High performance cell efficiency of 18.1%
- MC4 connector
- Anodized aluminium alloy frame, which is strengthened to avoid freezing or warping
- InstaGen black frame for a sleek appearance
- Certification approved for Salt and Ammonia Testing

#### Warranty and Guarantees

- 10 years product warranty
- 25 years guarantee on minimum power output
- 10 years performance guarantee on 90% power output
- 25 years performance guarantee on 80% power output



#### Quality and Environment

- MCS certification
- CE
- IEC 61215, IEC 61730
- ISO9001 Standards for quality management systems
- ISO14001 Standards for environmental management systems

# Technical Information

# InstaGen 260w Solar Panels

## Monocrystalline Photovoltaic Modules

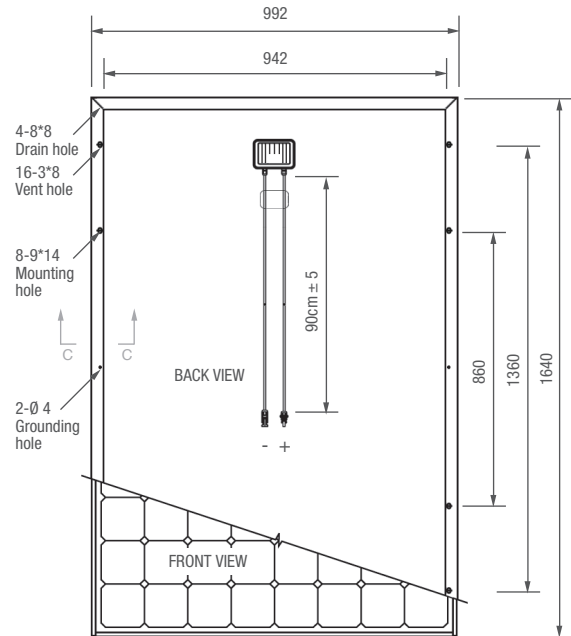
### Electrical Characteristics

All specified parameters are at STC 25°C ambient, 1000W/m<sup>2</sup> irradiance and AM 1.5

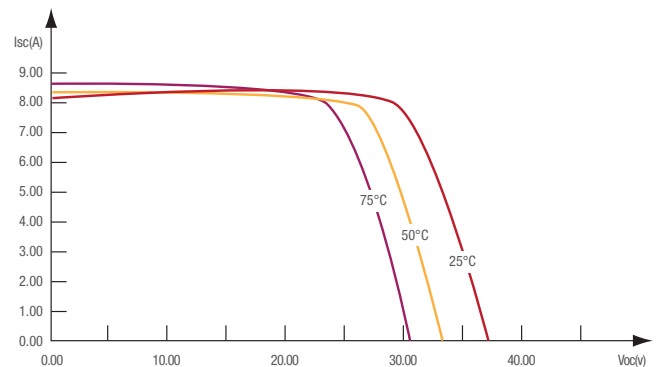
Type	IGM260BL-UK	
Max-Power (P <sub>max</sub> )		260Wp
Optimum Operating Voltage (V <sub>m</sub> )		31.20V
Optimum Operating Current (I <sub>m</sub> )		8.34A
Open-circuit Voltage (V <sub>oc</sub> )		38.82V
Short-circuit Current (I <sub>sc</sub> )		8.71A
Cell Efficiency (%)		18.10
Module Efficiency (%)		15.98

Solar Cell	Mono-crystalline 156*156mm	
Output Tolerance (P <sub>max</sub> )	0 ~ +3%	
Number of Cells	60 cells in series	
Module Dimension	1640*992*35mm	
Weight (kg)	18.8	
Max. System Voltage	1000V(TUV)/600V(UL)	
Max.Series Fuse Rating	15A	
Output Cable	PV 4mm <sup>2</sup>	
Cable Length	90cm±5	
Number of bypass diodes	6	
Temperature cycling range	(-40°C ~ 85°C)	
NOCT	47°C ±2°C	
Temperature coefficients of I <sub>sc</sub>	+(0.053±0.01)%/K	
Temperature coefficients of V <sub>oc</sub>	-(0.35±0.001)%/K	
Temperature coefficients of P <sub>max</sub>	-(0.40±0.5)%/K	
Load Capacity	300 pcs/20'GP	
	868 pcs/40'HQ	

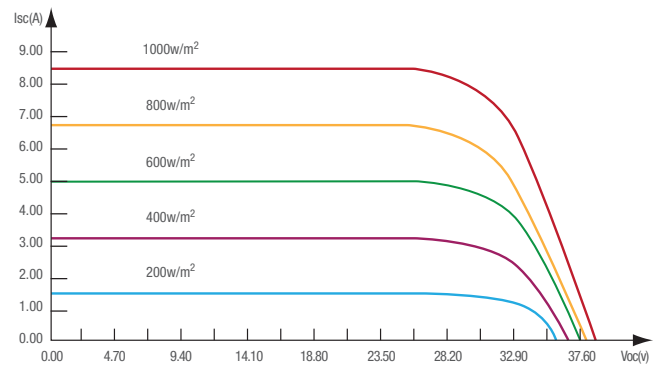
### Mechanical Specifications



### I-V Curves



I-V Curves of PV module IGM260BL-UK at various cell temperatures



I-V Curves of PV module IGM260BL-UK at various solar irradiance

