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Solar Panel Guide Specification Data Sheet

Heliene HEE210U BIPV HEE210UA66

Also available on the web at EnergyPal.com/heliene-solar-panels/hee210ua66



POLYCRYSTALLINE HEE210U Innovative 255 Watt

The solar module HEE210U is manufactured with high efficiency cells made by industry leading suppliers to guarantee a long lasting reliable power output. Robots allocate the 3 *Bus Bar* polycrystalline cells equally and interconnect the ribbon efficiently. The lightly textured glass of great optical transmission and diffused light collection covers the homogenous colored cells to create an esthetic module layout of high performance and quality design. The building in-roof solar system allows a correct BIPV installation which ensures a waterproof sealing for roof structures as well as mechanical seals and thermal resistance, needed to preserve the performance of the building envelope.





HIGH POWER OUTPUT

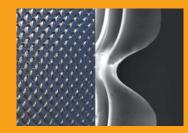
- 225-250 Wp. Wide range of output
- Homogeneous esthetics
- Maximum reliability

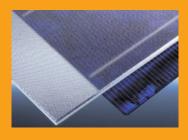
DIMENSIONS

Length x Width: 1724 x 1015 mm Thickness: 25mm Weight: 19 kg

BIPV

Built in roof mounting systems providing maximum sealing.





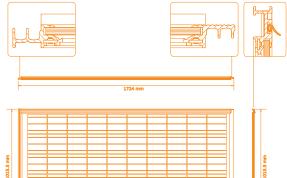
PYRAMIDAL GLASS

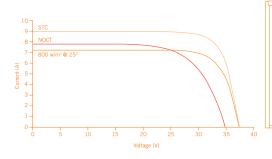
The pyramidal structure of solar glass ensures high production at low radiation conditions and reduces the reflection of incident light. At vertical installation the annual energy output is increased by 10%.

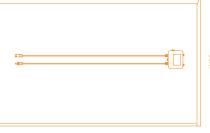
LIGHTLY TEXTURED GLASS

We use the lightly textured glass as our standard, which provides better properties on heat dissipation and reflection loss in comparison to plain usual solar glass.

SOLAR MODULE **HEE210U** Innovative 255 Watt







	HEE210UA69	HEE210UA68	HEE210UA67	HEE210UA66
POWER	255	250	245	240
STC (Standard Test Conditions)				
Nominal power P _{MPP} (W)	255	250	245	240
Nominal voltage U _{MPP} (V)	30.95	30.7	30.43	30.35
Nominal current I _{MPP} (A)	8.20	8.14	8.05	7.91
Open circuit voltage V _{oc} (V)	37.90	37.8	37.65	37.55
Short circuit current I _{sc} (A)	8.71	8.65	8.56	8.55
STC: Irradiation 1000W/m ² – Air mass	AM 1.5 – Cell temperature 25°C			
STC: Irradiation 1000W/m ² – Air mass NOCT (Normal Operating Cell Temperature	•			
NOCT (Normal Operating Cell Temperature	•	178	175	171
NOCT (Normal Operating Cell Temperatur Nominal power P _{MPP} (W)	2)	178 27.08	175 26.84	171 26.77
NOCT (Normal Operating Cell Temperatur Nominal power P _{MPP} (W) Nominal voltage U _{MPP} (V)	e) 182			
	182 27.23	27.08	26.84	26.77

ELECTRICAL AND THERMAL CHARACTERISTICS

System tension (V): 1000	Temp. Coeff. V_{oc} (%/ o C) -0.32	Temp. Coeff. P _{MPP} (%/ ^o C) -0.42
Reverse current (A): 12	Temp. Coeff. I_{SC} (%/ o C) +0.07	Operating Temp40 till +85 ^o C

MECHANICAL FEATURES

Cells	60 in series, 3BB, 6''	
Glass	Lightly textured, high transparency, anti-reflective, hardened	
Back sheet	Multi-layer lamination PVF and PET	
Frame	Anodized aluminum in standard module / BIPV assembling	
Connection	2x1.1m of cable, MC4 type connectors	
Junction box	Protection index IP65, 3 diodes by-pass	

MEASURING TOLERANCES Pmax:+/-3%

Warranty: 12 years for manufacturing defects and 80% nominal power at 25 years

Any additional information can be supplied under request



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Specifications are subject to change without notice. HELIOS ENERGY EUROPE S.L. (HELIENE) 05/2014

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