

ECOSOLARGY ORION 1000

POLYCRYSTALLINE MODULE ORION 1000 ECOXXH156P-60



POSITIVE TOLERANCE



TRANSPARENT &
ANTI-REFLECTIVE



CORROSION RESISTANT



HIGH MODULE
CONVERSION EFFICIENCY



WITHSTANDS HIGH
WIND LOADS



EXCELLENT PERFORMANCE
UNDER LOW LIGHT CONDITIONS



10 YEAR
WORKMANSHIP
GUARANTEE

+

25 YEAR
PERFORMANCE
GUARANTEE



ECO-(250)60P
Polycrystalline 250W



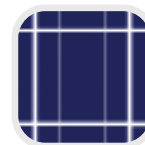
ECO-(255)60P
Polycrystalline 255W



ECO-(260)60P
Polycrystalline 260W



ECO-(265)60P
Polycrystalline 265W



ECO-(270)60P
Polycrystalline 270W



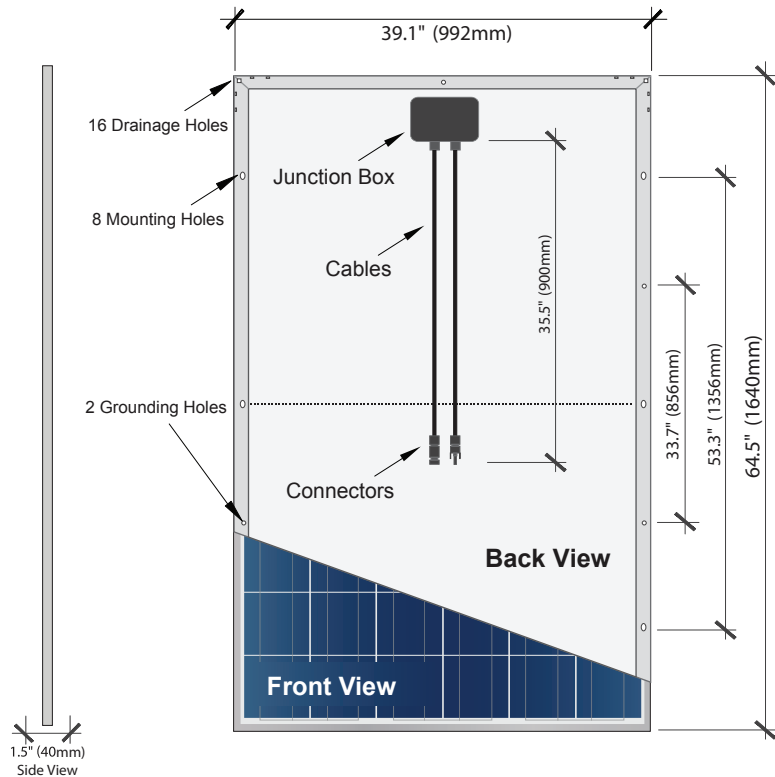
ECO-(275)60P
Polycrystalline 275W



ORION 1000 ECO(XXX)H156P-60

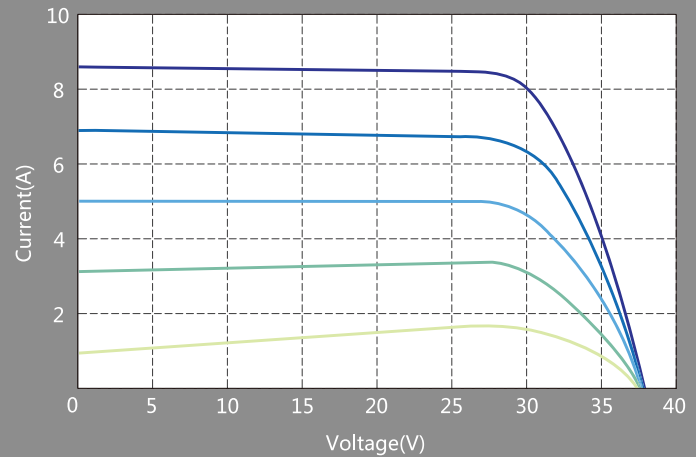
POLYCRYSTALLINE MODULE

DIMENSIONS OF PV MODULE ORION ECO(XXX)H156P-60



CURRENT-VOLTAGE & POWER-VOLTAGE CURVE

| | |
|------------|-------------|
| Efficiency | up to 15.7% |
| Wattage | up to 275W |
| Warranty | 25 Years |



Values at Standard Test Conditions (STC) = Irradiance: 1000W/m²
Air Mass: 1.5, Module Temperature 77°F (25°C)

SPECIFICATIONS AND DATA

| | |
|--------------------|---|
| Panel Dimensions | 64.57" x 39.06" x 1.57" (1640mm x 992mm x 40mm) |
| Weight | 40.79 lbs (18.5kgs) |
| Cells | 60 x Polycrystalline 6"x 6" (156mm x 156mm) |
| Glass | 1/8" (3.2mm) Tempered Glass |
| Frame | Anodized Aluminum Alloy; Color: Silver |
| Junction Box | IP Rated Junction Box with Bypass Diodes |
| Cable | 4mm ² solar cable (RHW AWG #12) |
| Connector | (MC4-Type) PV Plug Connectors |
| EVA | EVA |
| Backsheet | TPT |
| Modules per Pallet | 26 Panels |

TEMPERATURE COEFFICIENTS

| | |
|---|-----------|
| Nominal Operating Cell Temperature (NOCT) | 45±2°C |
| Temperature Coefficient of ISC (α) | 0.06%/°C |
| Temperature Coefficient of VOC (β) | -0.30%/°C |
| Temperature Coefficient of Pmax | -0.43%/°C |

PERMISSIBLE OPERATING CONDITIONS

| | |
|--|----------------------------------|
| Operating Temperature | -40°F to +185°F (-40°C to +85°C) |
| Maximum Hail Diameter @ 43Mph (80km/h) | Up to 1" (25mm) |
| Wind Impact | ≤2400 Pa |
| Snow Impact | ≤5400 Pa |

ELECTRICAL DATA

| Model | P _{max} (0+5W) | V _{mp} | I _{mp} | V _{oc} | I _{sc} | Max System Voltage | Standard Test Conditions |
|----------------|----------------------------|-----------------|-----------------|-----------------|-----------------|--------------------|---|
| ECO250H156P-60 | 250W | 31.20V | 8.01A | 37.80V | 8.65A | 1000V | Irradiance: 1000W/m ² AM: 1.5 Temperature: 77°F (25°C) |
| ECO255H156P-60 | 255W | 31.60V | 8.06A | 37.90V | 8.73A | | |
| ECO260H156P-60 | 260W | 32.00V | 8.13A | 38.00V | 8.81A | | |
| ECO265H156P-60 | 265W | 32.40V | 8.18A | 38.10V | 8.89A | | |
| ECO270H156P-60 | 270W | 32.80V | 8.24A | 38.20V | 8.97A | | |
| ECO275H156P-60 | 275W | 33.20V | 8.89A | 38.30V | 9.05A | | |

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CAUTION: READ ALL INSTRUCTIONS BEFORE HANDLING, INSTALLING, & OPERATING THIS PRODUCT
Technical Specifications & Data are subject to change without prior notice, contact ecoSolargy for latest data.
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