

ECOSOLARGY ORION 1000

POLYCRYSTALLINE MODULE **ORION 1000** ECOXXH156P-60



POSITIVE TOLERANCE



TRANSPARENT &
ANTI-REFLECTIVE



CORROSION RESISTANT



HIGH MODULE
CONVERSION EFFICIENCY



WITHSTANDS HIGH
WIND LOADS

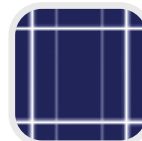


EXCELLENT PERFORMANCE
UNDER LOW LIGHT CONDITIONS

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

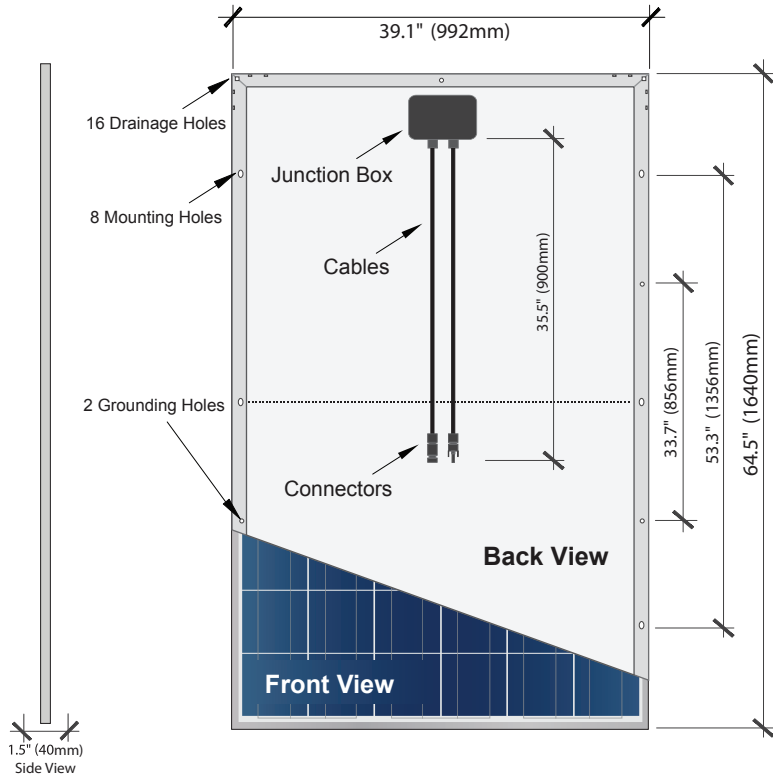


ECO-(275)60P
Polycrystalline 275W



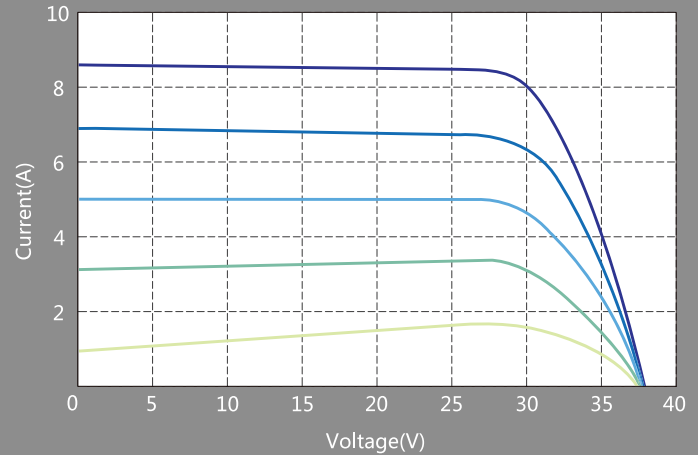
ORION 1000 ECO(XXX)H156P-60

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



Legend: STC IV Data, 800W/m² IV Data, 600W/m² IV Data, 400W/m² IV Data, 200W/m² IV Data

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	4mm² 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	Pmax (0+5W)	Vmp	Imp	Voc	Isc	Max System Voltage	Standard Test Conditions
ECO250H156P-60	250W	31.20V	8.01A	37.80V	8.65A	1000V	Irradiance: 1000W/m² 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		