ECOSOLARGY ORION SERIES

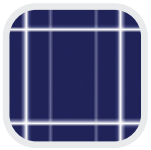
POLYCRYSTALLINE MODULE

ORION SERIES

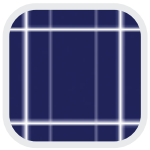
ECOXXXA156P-60

- 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-(235)60P
Polycrystalline 235W



ECO-(240)60P
Polycrystalline 240W

ECO-(245)60P
Polycrystalline 245W

ECO-(250)60P
Polycrystalline 250W

ECO-(255)60P
Polycrystalline 255W

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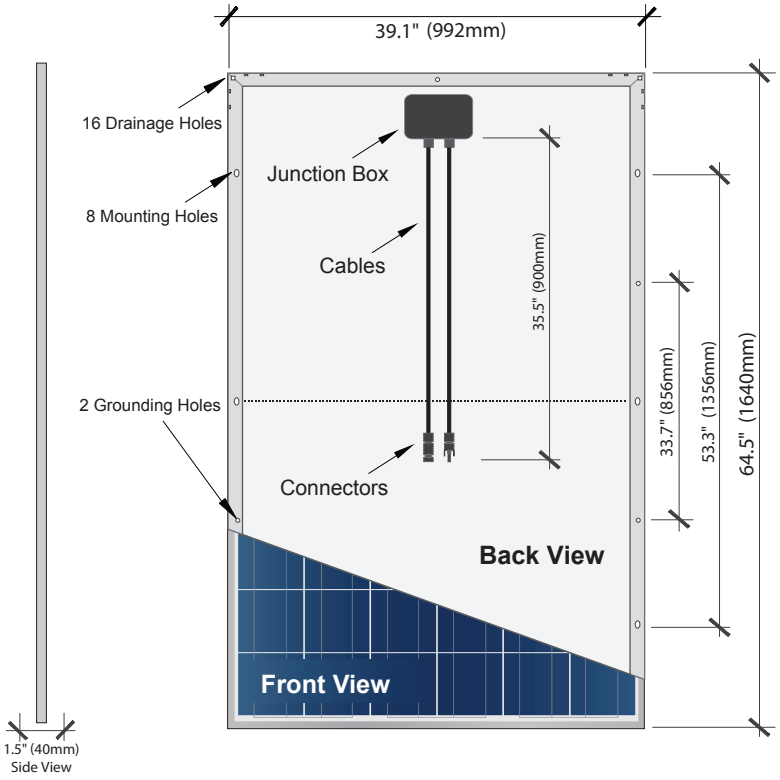
ecoSolargy inc.

POLYCRYSTALLINE MODULE

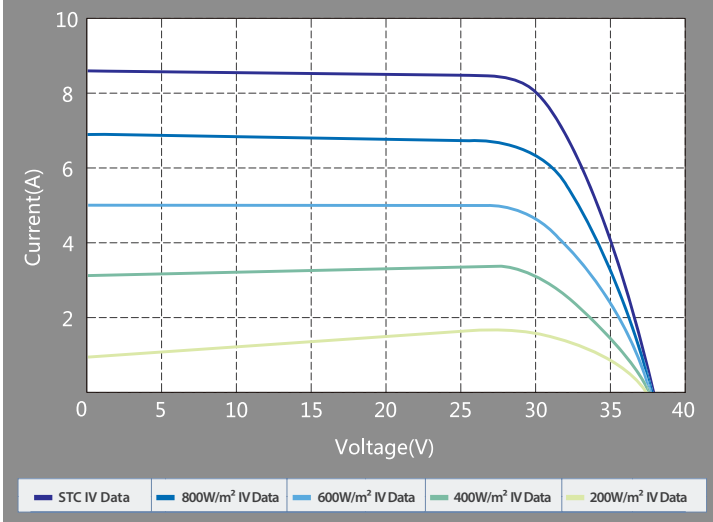
ORION SERIES ECO(XXX)A156P-60

DIMENSIONS OF PV MODULE ORION ECO(XXX)A156P-60



CURRENT-VOLTAGE & POWER-VOLTAGE CURVE

Efficiency	up to 15.40%
Wattage	up to 255W
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 (18.5kg)
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+3%)	Vmp	Imp	Voc	Isc	Max System Voltage	Standard Test Conditions
ECO235A156P-60	235W	29.62V	7.94A	37.20V	8.40A	1000V/DC 600V (UL)	Irradiance: 1000W/m² AM: 1.5 Temperature: 77°F (25°C)
ECO240A156P-60	240W	29.85V	8.04A	37.40V	8.48A		
ECO245A156P-60	245W	30.17V	8.12A	37.61V	8.52A		
ECO250A156P-60	250W	30.41V	8.22A	37.73V	8.53A		
ECO255A156P-60	255W	31.30V	8.15A	37.90V	8.65A		

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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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