

ECOSOLARGY TITAN SERIES

POLYCRYSTALLINE MODULE TITAN SERIES

ECOXXA156P-72
ECOXXS156P-72



POSITIVE TOLERANCE



TRANSPARENT &
ANTI-REFLECTIVE



CORROSION RESISTANT



HIGH MODULE
CONVERSION EFFICIENCY



WITHSTANDS HIGH
WIND LOADS



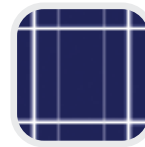
EXCELLENT PERFORMANCE
UNDER LOW LIGHT CONDITIONS



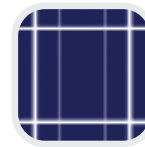
10 YEAR
WORKMANSHIP
GUARANTEE

+

25 YEAR
PERFORMANCE
GUARANTEE



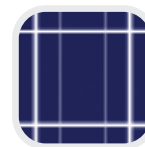
ECO-(280)72P
Polycrystalline 280W



ECO-(285)72P
Polycrystalline 285W



ECO-(290)72P
Polycrystalline 290W



ECO-(295)72P
Polycrystalline 295W

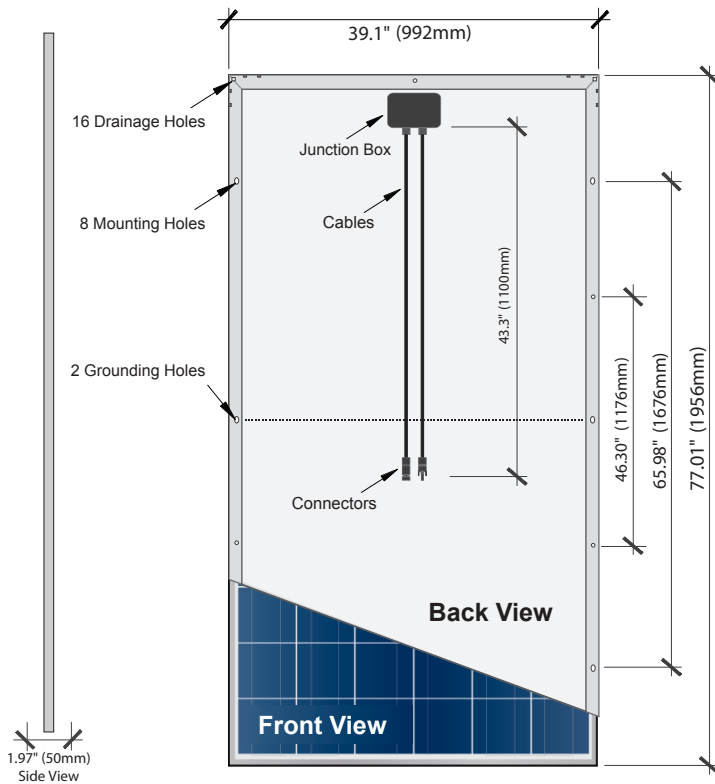


ECO-(300)72P
Polycrystalline 300W



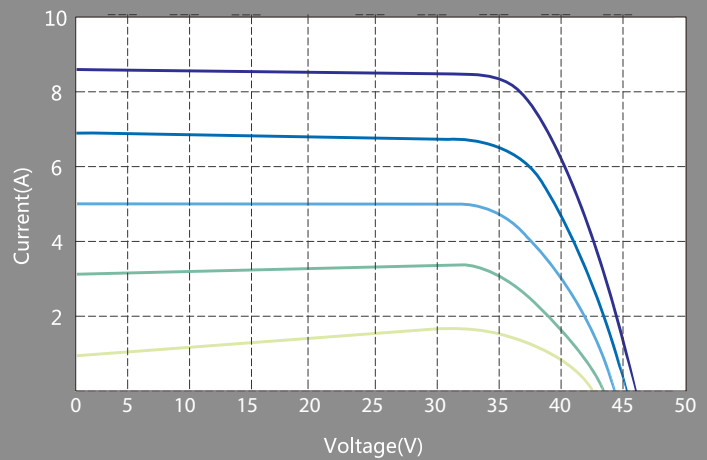
TITAN SERIES ECO(XXX)A156P-72 / ECO(XXX)S156P-72

DIMENSIONS OF PV MODULE TITAN ECO(XXX)A(S)156P-72



CURRENT-VOLTAGE & POWER-VOLTAGE CURVE

| | |
|------------|--------------|
| Efficiency | up to 15.40% |
| Wattage | up to 300W |
| 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 | 77" x 39.1" x 1.97" (1956mm x 992mm x 50mm) |
| Weight | 50.71 lbs (23kg) |
| Cells | 72 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 | P _{max} (0+3%) | V _{mp} | I _{mp} | V _{oc} | I _{sc} | Max System Voltage | Standard Test Conditions |
|----------------|----------------------------|-----------------|-----------------|-----------------|-----------------|--------------------|---|
| ECO280A156P-72 | 280W | 35.85V | 7.81A | 45.22V | 8.25A | 1000V/DC 600V (UL) | Irradiance: 1000W/m² AM: 1.5 Temperature: 77°F (25°C) |
| ECO285A156P-72 | 285W | 36.10V | 7.89A | 45.30V | 8.31A | | |
| ECO290A156P-72 | 290W | 36.29V | 7.98A | 45.38V | 8.42A | | |
| ECO295A156P-72 | 295W | 36.47V | 8.09A | 45.46V | 8.53A | | |
| ECO300S156P-72 | 300W | 37.30V | 8.06A | 45.30V | 8.56A | 600 - 1000V (DL) | |