# EOPLLY 156 Monocrystalline Solar Module

**EOPLLY 156 Monocrystalline series solar modules are made of 72 pcs 156mm x 156mm monocrystalline solar cells in series with high efficiency, high transmission rate and low iron tempered glass, anti-aging EVA and high flame resistant back sheet, and anodized aluminum alloy. The modules have advantages of high efficiency, long service life, easy to install as well as high wind and hail impact resistance.**

## Features and Benefits

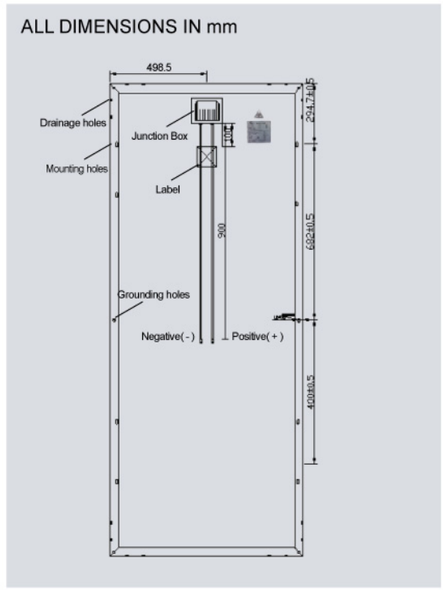
- High efficiency
- Outstanding low-light performance
- Applicable for on-grid and 24V off-grid system
- 10years product guarantee
- Power warranties: 10years (90%), 25years (80%)
- Power tolerance +/- 3%
- Modules are protected against environmental stress by firm attachment of the module frame and glass

## Electrical Specifications

| Type / Model | 156M/72-260 | 156M/72-270 | 156M/72-280 | 156M/72-290 |
|---|---|---|---|---|
| open circuit voltage Voc (V) | 43.92 | 44.06 | 44.28 | 44.42 |
| optimum operating voltage Vmp (V) | 35.50 | 35.71 | 36.29 | 36.79 |
| short-circuit current Isc (A) | 7.86 | 8.31 | 8.44 | 8.55 |
| optimum operating current Imp (A) | 7.35 | 7.60 | 7.78 | 7.94 |
| maximum power at STC Pmax | 260W | 270W | 280W | 290W |
| Cell effciency | 15% | 15.6% | 16.6% | 16.8% |
| operating temperature | -40℃to85℃ | -40℃to85℃ | -40℃to85℃ | -40℃to85℃ |
| maximum system voltage | 1000V | 1000V | 1000V | 1000V |
| pressure resistance | 227g steel ball falls down from 1m height under 60m/s wind | | | |

The electrical specifications are typical average value from historical production data.
The electrical data relates to standard test conditions [STC]: 1,000W/m2; AM 1.5; 25°C

# EOPLLY 156 Monocrystalline Solar Module




## Mechanical Characteristics

| | |
|---|---|
| Solar Cell | Monocrystalline silicon solar cell 156x156(mm) |
| No.of Cells | 72 (6x12) |
| Dimensions | 19534x997x50(mm) |
| Weight | 20kg |
| Front Glass | 3.2mm (0.13 inches) tempered glass |
| Frame | Anodized aluminum alloy |

## Output

| | |
|---|---|
| Cable Type | Φ=4mm² |
| Lengths | L=900mm |
| Junction Box | PV-GZX0601 MC3 or MC4 |

## Temperature Coefficients

| | |
|---|---|
| Nominal Operating Cell Temperature (NOCT) | 45±2℃ |
| Temperature Coefficient of Pmax | -0.39%/℃ |
| Temperature Coefficient of Voc | -0.34%/℃ |
| Temperature Coefficient of Isc | 0.036%/℃ |