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EnergyPal

Solar Panel Guide Specification Data Sheet

Upsolar Global Co., Ltd.

UP-M250-270P

UP-M255P

Also available on the web at
EnergyPal.com/upsolar-global-co-ltd-solar-panels/up-m255p



6" Polycrystalline PV module 60 cells

Key Features

- UL 1000V Rated**
- Flexible Production***
- Reinforced Module Warranty**
- Universal Design (residential, commercial, ground mounted)**
- Best seller for its performance/price ratio**
- Salt Mist and Ammonia Resistant**

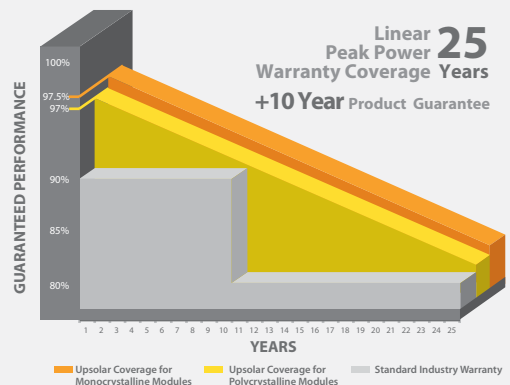


Secure Investment

Upsolar provides industry-leading product coverage for all our modules to ensure our customers achieve superior long-term value from their solar installations. In addition to a 10-year product warranty, which covers unanticipated module damage, Upsolar implements a 25-year performance guarantee known as the Reinforced Module Warranty.

Whereas traditional warranties feature a singular trigger point that results in drastic coverage reductions after just 10 years, our Linear Peak Power Warranty offers a gradual ramp that more accurately corresponds to system performance over 25 years.

Upsolar has teamed up with AIG Energy Warranty, a division of AIG, to provide system owners with a second layer of warranty protection through a deductible-free protection plan** that insures up to 90 percent of equipment costs and delivers peace of mind for years to come.



*Upsolar has expanded its manufacturing operations in Asia, Europe and North America, keeping its modules duty-free in the event of new CVD or AD policies. Please ask about pricing, payment terms and conditions to meet your needs. **Coverage may not be available in all jurisdictions and is subject to actual policy language. Insurance and services provided by member companies of American International Group, Inc.

Electrical Characteristics @ STC*

| MODEL | UP-M250P | UP-M255P | UP-M260P | UP-M265P | UP-M270P |
|-------------------------------|--------------------|----------|----------|----------|----------|
| Max Power Pm (Wp) | 250 | 255 | 260 | 265 | 270 |
| Max Power Voltage Vm (V) | 30.6 | 30.8 | 31.0 | 31.2 | 31.4 |
| Max Power Current Im (A) | 8.17 | 8.28 | 8.39 | 8.49 | 8.60 |
| Open-Circuit Voltage Voc (V) | 38.0 | 38.2 | 38.4 | 38.5 | 38.6 |
| Short-Circuit Current Isc (A) | 8.50 | 8.55 | 8.70 | 8.78 | 8.88 |
| Module Efficiency | 15.4% | 15.7% | 16.0% | 16.3% | 16.6% |
| Maximum System Voltage (V) | 1000(IEC)/1000(UL) | | | | |
| Power Tolerance | 0/+3% | | | | |
| Series Fuse Rating (A) | 20A | | | | |

*STC: Irradiance 1000 W/m², Module temperature 25°C, AM=1.5

Components & Mechanical Data

| | |
|------------------------|--|
| Front Glass | High Transparency Tempered Glass 0.125" // 3.2 mm |
| Junction Box | IP 65 or above |
| Bypass Diode | 3 diodes |
| Output Cables | 1.0 m // IEC, UL approved (4 mm ² , 12AWG) (PV Wire Type) |
| Connectors | MC4 compatible (IP67, IEC and UL approved) |
| Frame | Anodized aluminium alloy type 6063-T5 |
| Encapsulation Material | EVA (0.018" // 0.45 mm ± 0.001" // 0.03 mm thickness) |
| Back Sheet | White multilayer polymer film |
| Temperature Range | -40°F to +194°F // -40°C to +90°C |
| Max Load | 75 lbs / ft ² (UL Standard) // 5400 Pa (IEC Standard) |
| Impact Resistance | Steel ball - 1.18 lbs // 535 g dropped from 51" // 1.3 m high |

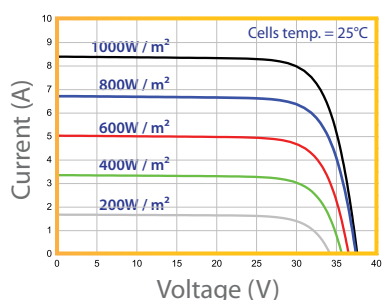
Specifications

| | |
|-----------------------|---|
| Cells | Polycrystalline silicon solar cells 6" x 6" // 156 mm x 156 mm |
| Number of Cells | 60 (6 x 10) |
| Dimensions (in // mm) | 64.57 x 39.06 x 1.38 // 1640 x 992 x 35 |
| Weight (lb // kg) | 40.8 // 18.5 |

Temperature Coefficients

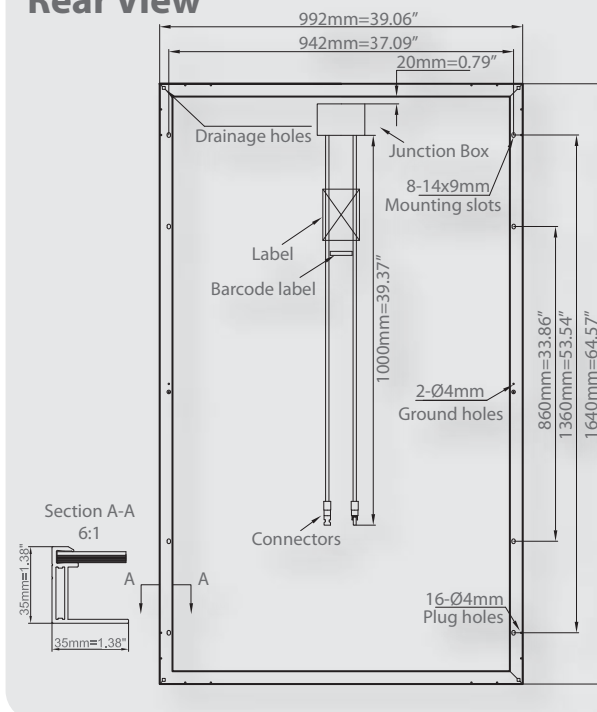
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|--|--------------|
| NOCT (°C) | 45 ± 2 |
| Temperature Coefficients of Isc (% / °C) | 0.05 ± 0.01 |
| Temperature Coefficients of Voc (% / °C) | -0.30 ± 0.02 |
| Temperature Coefficients of Im (% / °C) | -0.02 ± 0.02 |
| Temperature Coefficients of Vm (% / °C) | -0.42 ± 0.03 |
| Temperature Coefficients of Pm (% / °C) | -0.43 ± 0.05 |

IV Curves



● Deviation of Vm (V), Im (A), Voc (V) and Isc (A) of ±2.5%

Rear View



Options Available

SolarEdge Integrated

Tigo Integrated