

For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

Email: contact@energypal.com

EnergyPal

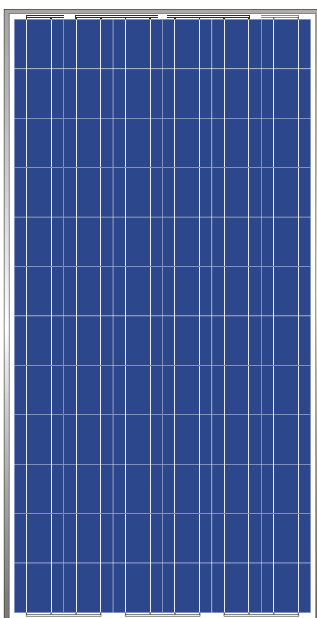
Solar Panel Guide Specification Data Sheet

**Vorks Energy Private Limited
VJP6 72/250-295
VJP6-72-270**

Also available on the web at
EnergyPal.com/vorks-energy-private-limited-solar-panels/vjp6-72-270

VJP6

72/250-295 SOLAR PHOTOVOLTAIC MODULE



PRODUCT OVERVIEW

- Vorks Energy's modules are optimally manufactured and adjusted to meet the needs of the current market; scientifically designed module dimension makes the installation simple and easy.
- Our continuous efforts in quality assurance system and certifications shows Vorks Energy's products demonstrate our commitment to product quality and customer requirements

MODULE CHARACTERISTICS

- High efficiency crystalline silicon solar cells
- High transmission low iron tempered glass, strong mechanical resistance
- Standard waterproof junction box, with bypass diode.
- High endurance to different atrocious weather.
- Custom designed modules according to clients's requirement.

MECHANICAL PARAMETERS

| | |
|--|----------------|
| Cell(mm) | Poly 156x156 |
| Weight(kg) | 27.5 |
| Dimensions(LxWxH)(mm) | 1970x991x50 |
| Cable Length(mm) | ≥1000 |
| Cable cross section size(mm ²) | 4 |
| No. of cells and connections | 72 (6x12) |
| No. of diodes | 6 |
| Packing configuration | 20 Pcs./Pallet |

WORKING CONDITIONS

| | |
|---------------------------------|----------------|
| Maximum System Voltage | DC 1000V(TÜV) |
| Operating Temp. | -40°C~+85°C |
| Maximum Series Fuse | 15 A |
| Max. Wind Load / Max. Snow Load | 2400Pa/ 5400Pa |
| Grounding conductivity | <0.1Ω |
| NOCT | 47±2°C |
| Application Class | Class A |
| Insulation Resistance | ≥100MΩ |

GUARANTEE

10-year limited product warranty

Limited performance warranty: 10 years at 90% of the minimal rated power output, 25 years at 80% of the minimal rated power output

Vorks Energy Private Limited

Add: The Concourse, A-2A, Sector - 63, Noida - 201301, Uttar Pradesh, India

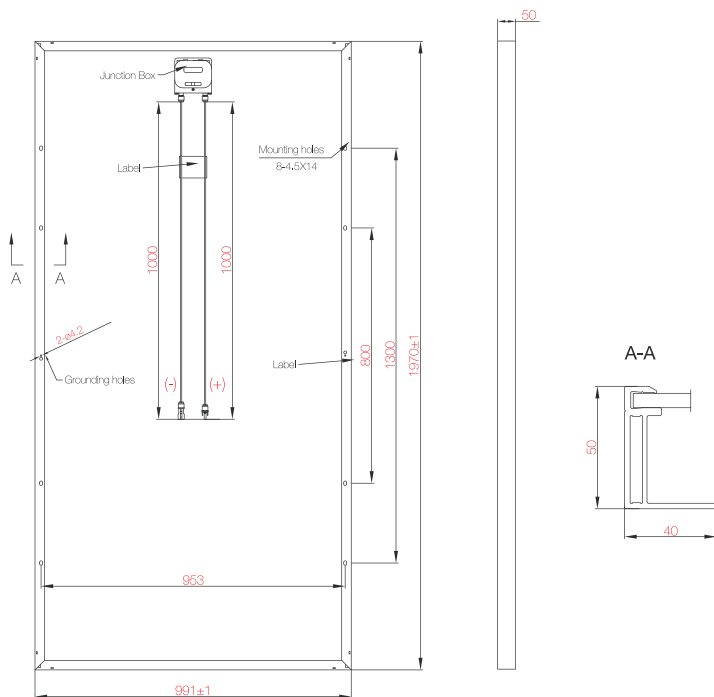
Tel: +91-98100-40837 Email: solar@vorks.com

www.vorks.com

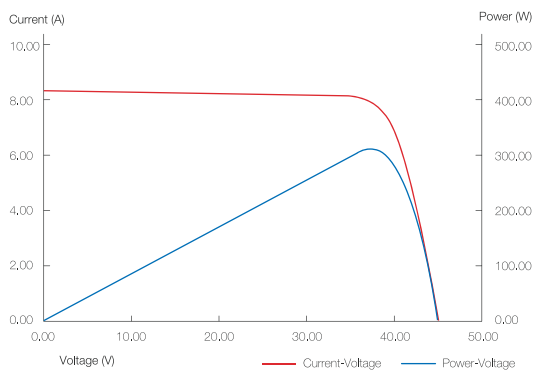


VJP6

72/250-295 SOLAR PHOTOVOLTAIC MODULE



I-V CURVE



ELECTRICAL PARAMETERS

| TYPE | VJP6-72-250 | VJP6-72-260 | VJP6-72-270 | VJP6-72-275 | VJP6-72-280 | VJP6-72-285 | VJP6-72-290 | VJP6-72-295 |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Rated Maximum Power at STC (W) | 250 | 260 | 270 | 275 | 280 | 285 | 290 | 295 |
| Open Circuit Voltage (Voc/V) | 43.60 | 43.80 | 44.00 | 44.20 | 44.40 | 44.60 | 44.80 | 45.00 |
| Maximum Power Voltage (Vmp/V) | 35.26 | 35.76 | 36.00 | 36.52 | 36.75 | 37.01 | 37.47 | 37.82 |
| Short Circuit Current (Isc/A) | 7.80 | 8.00 | 8.20 | 8.25 | 8.32 | 8.38 | 8.42 | 8.48 |
| Maximum Power Current (Imp/A) | 7.09 | 7.27 | 7.50 | 7.53 | 7.62 | 7.70 | 7.74 | 7.80 |
| Module Efficiency [%] | 12.81 | 13.32 | 13.83 | 14.09 | 14.34 | 14.60 | 14.85 | 15.11 |
| Power Tolerance | ±3% | | | | | | | |
| α_{Isc} | +0,040%/°C | | | | | | | |
| β_{Voc} | -0,304%/°C | | | | | | | |
| γ_{Pmp} | -0,420%/°C | | | | | | | |

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