

For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

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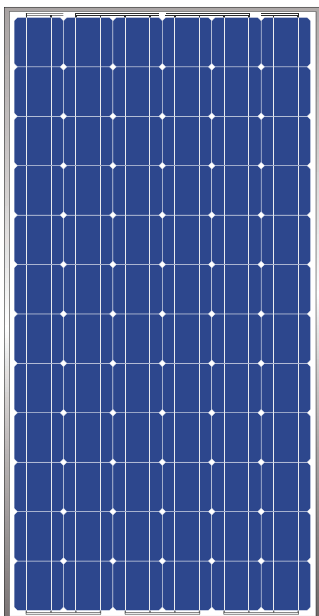
Solar Panel Guide Specification Data Sheet

**Vorks Energy Private Limited
VJM5(L) 72/155-195
JAM5(L)-72-190**

Also available on the web at
EnergyPal.com/vorks-energy-private-limited-solar-panels/jam5-l-72-190

VJM5(L)

72/155-195 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)	Mono 125x125 (L)
Weight(kg)	15.5
Dimensions(LxWxH)(mm)	1580x808x40
Cable Length(mm)	≥900
Cable cross section size(mm ²)	4
No. of cells and connections	72 (12x6)
No. of diodes	3
Packing configuration	25 Pcs./Pallet

WORKING CONDITIONS

Maximum System Voltage	DC 1000V(TÜV) / 600V(UL)
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

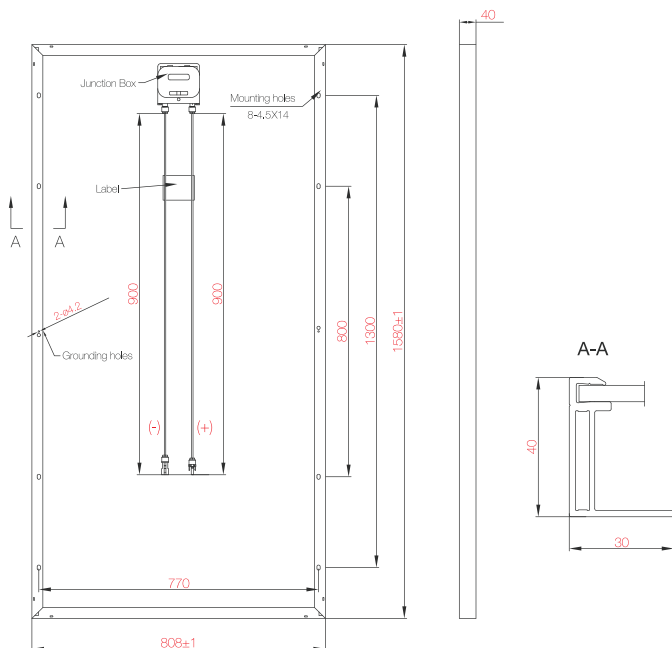
Tel: +91-98100-40837 Email: solar@vorks.com

www.vorks.com



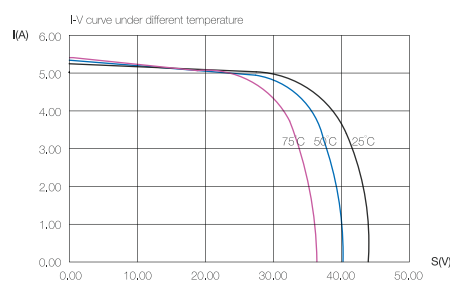
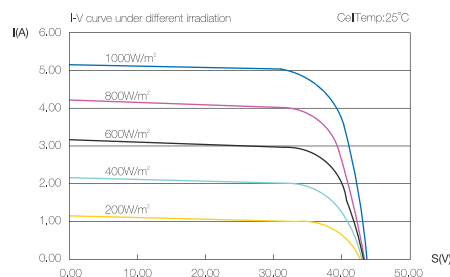
VJM5(L)

72/155-195 SOLAR PHOTOVOLTAIC MODULE



I-V CURVE

Output under different irradiation and the correlation between Isc/Voc/ Pmax and Temperature map



ELECTRICAL PARAMETERS

TYPE	JAM5(L)-72-155	JAM5(L)-72-160	JAM5(L)-72-165	JAM5(L)-72-170	JAM5(L)-72-175	JAM5(L)-72-180	JAM5(L)-72-185	JAM5(L)-72-190	JAM5(L)-72-195
Rated Maximum Power at STC (W)	155	160	165	170	175	180	185	190	195
Open Circuit Voltage (Voc/V)	43.68	43.85	44.02	44.19	44.36	44.53	44.70	44.87	45.04
Maximum Power Voltage (Vmp/V)	35.08	35.28	35.48	35.68	35.88	36.08	36.28	36.48	36.68
Short Circuit Current (Isc/A)	4.94	5.03	5.11	5.20	5.28	5.37	5.45	5.54	5.62
Maximum Power Current (Imp/A)	4.42	4.54	4.65	4.76	4.88	4.99	5.10	5.21	5.32
Module Efficiency [%]	12.14	12.53	12.92	13.32	13.71	14.10	14.49	14.88	15.27
Power Tolerance	±3%								
α_{Isc}	+0.037%/°C								
β_{Voc}	-0.297%/°C								
γ_{Pmp}	-0.438%/°C								

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