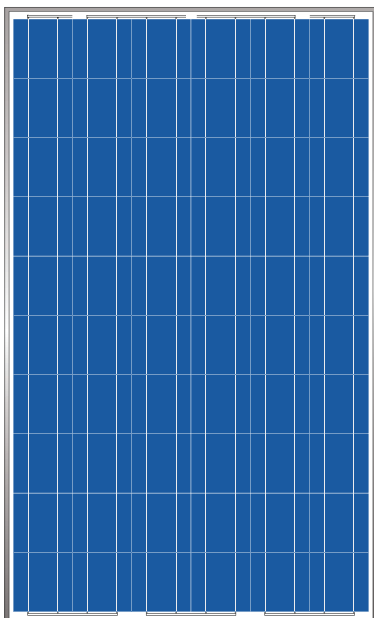


# VJP6

60/220-265 SOLAR PHOTOVOLTAIC MODULE

**SONNEBLUM**



## 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)	Quasi-Mono 156x156
Weight(kg)	19.5
Dimensions(LxWxH)(mm)	1650x991x40
Cable Length(mm)	≥1000
Cable cross section size(mm <sup>2</sup> )	4
No. of cells and connections	60 (6x10)
No. of diodes	3
Packing configuration	25 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	45±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

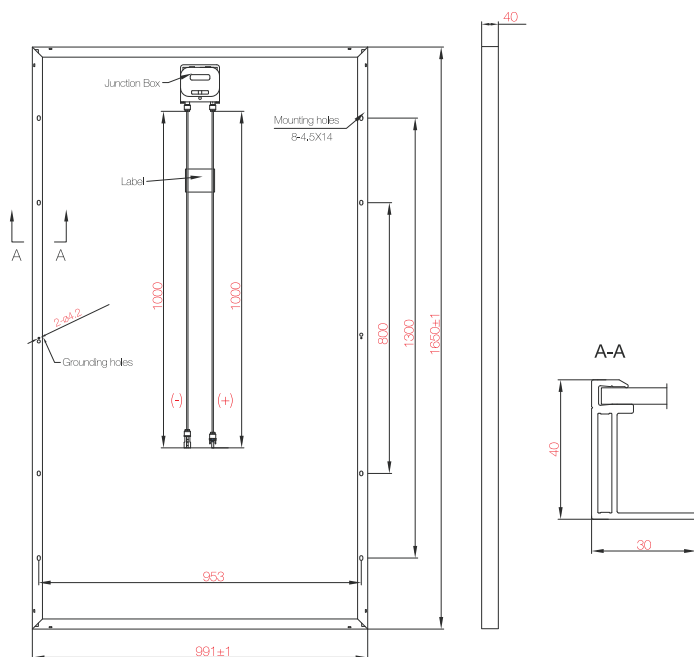
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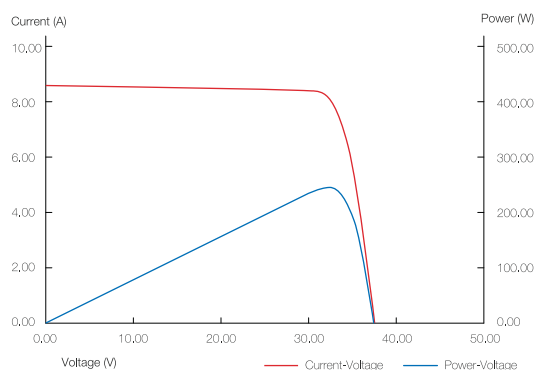
# VJP6

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## I-V CURVE



## ELECTRICAL PARAMETERS

TYPE	VJP6-60 220/SON	VJP6-60 225/SON	VJP6-60 230/SON	VJP6-60 235/SON	VJP6-60 240/SON	VJP6-60 245/SON	VJP6-60 250/SON	VJP6-60 255/SON	VJP6-60 260/SON	VJP6-60 265/SON
Rated Maximum Power at STC (W)	220	225	230	235	240	245	250	255	260	265
Open Circuit Voltage (Voc/V)	37.22	37.32	37.37	37.51	37.58	37.64	37.71	37.78	37.84	37.91
Maximum Power Voltage (Vmp/V)	28.70	28.94	29.18	29.42	29.66	29.90	30.14	30.36	30.57	30.77
Short Circuit Current (Isc/A)	8.52	8.57	8.66	8.71	8.76	8.81	8.86	8.91	8.96	9.01
Maximum Power Current (Imp/A)	7.67	7.77	7.88	7.99	8.09	8.19	8.29	8.40	8.51	8.62
Module Efficiency [%]	13.45	13.76	14.07	14.37	14.68	14.98	15.29	15.59	15.90	16.21
Power Tolerance	±3%									
$\alpha_{Isc}$	+0.036%/°C									
$\beta_{Voc}$	-0.33%/°C									
$\gamma_{Pmp}$	-0.47%/°C									

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