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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

### **Waaree Energies Ltd Aditya Series WS-250-295 WS-285**

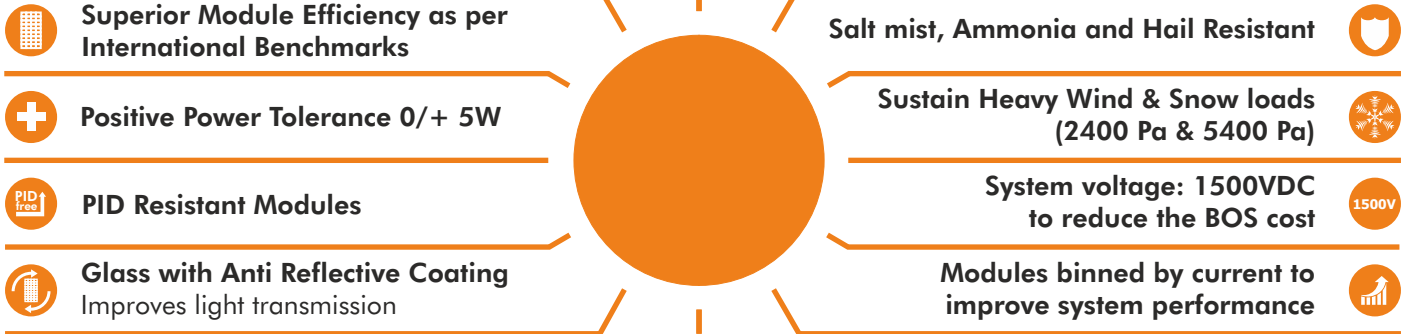
Also available on the web at  
[EnergyPal.com/waaree-energies-ltd-solar-panels/ws-285](http://EnergyPal.com/waaree-energies-ltd-solar-panels/ws-285)

# ADITYA SERIES POLY

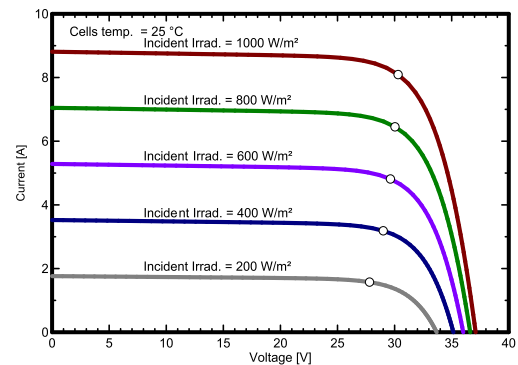
WS-250 to WS- 295 (60 Cells)

# WAAREE®

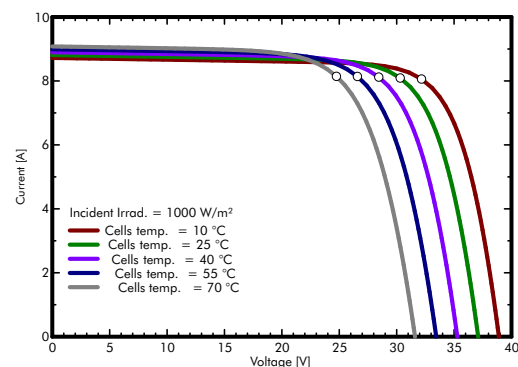
One with the Sun



## I-V Curve Variation With Irradiance



## I-V Curve Variation With Temperature



• The specifications are for reference purpose only. Waaree reserves the right to change the specifications without prior notice.

## INTERNATIONAL & NATIONAL CERTIFICATIONS

IEC 62804 | UI1703 | ROHS Compliance | REACH Compliance | IS 14286

ISO 9001:2015 | ISO 14001:2015 | OHSAS 18001:2007 / ISO 45001:2018  
IEC 61215 | IEC 61730-1&2 | IEC 60068-2-68 | IEC 61701 | IEC 62716

[www.waaree.com](http://www.waaree.com)

# ADITYA SERIES POLY

WS-250 to WS- 295 (60 Cells)

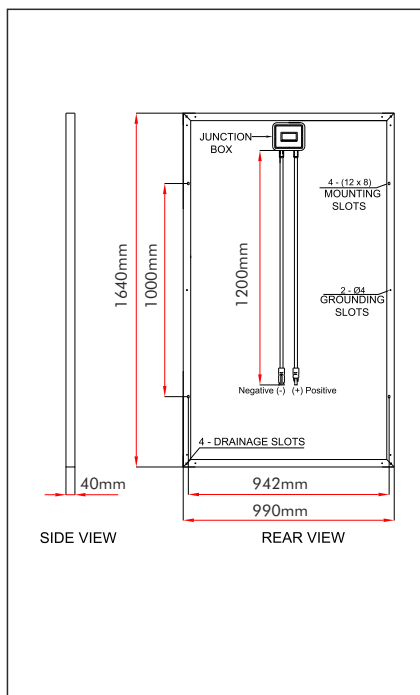
**WAAREE**<sup>®</sup>

One with the Sun

## ELECTRICAL CHARACTERISTICS

MODELS	Pmax (W)	Vmp (V)	Imp (A)	Isc (A)	Voc (V)	Module Eff. (%)
WS-250	250	31.15	8.05	8.90	37.10	15.40
WS-255	255	31.30	8.15	9.00	37.50	15.71
WS-260	260	31.35	8.30	9.10	37.80	16.01
WS-265	265	31.45	8.45	9.15	37.90	16.32
WS-270	270	31.60	8.55	9.20	38.00	16.63
WS-275	275	31.80	8.65	9.25	38.15	16.94
WS-280	280	32.00	8.75	9.35	38.30	17.25
WS-285	285	32.25	8.85	9.45	38.60	17.55
WS-290	290	32.45	8.95	9.55	38.90	17.86
WS-295	295	32.60	9.05	9.65	39.20	18.17

## DESIGN SPECIFICATIONS



## MECHANICAL CHARACTERISTICS

Length x Width x Thickness (L x W x T) - mm	1640 x 990 x 40
Mounting Holes Pitch (Y) – mm	1000
Mounting Holes Pitch (X) – mm	942
Weight (kg)	18.5
Solar Cells per Module (Units) / Arrangement	60 / (10*6)
Solar Cell Type	Poly crystalline Silicon
Front Cover (Material / Thickness)	Tempered & Low Iron Glass, 3.2/4mm
Encapsulate	Ethylene Vinyl Acetate
Frame Material	Anodized Aluminum Alloy
Junction Box	IP67 rated enclosure with 3 bypass diodes Rated voltage : 1500VDC
Connector (Protection degree / Type)	MC4 compatible or IP67 rated
Cable	4 mm <sup>2</sup> cross section, 1200 mm long
Fire safety class	C
Application class	A
Safety class	II
Backsheet thickness / rated voltage	≥ 300μ, 1500VDC

## TEMPERATURE COEFFICIENTS AND OPERATING CONDITIONS

Temperature coefficient of Current/°C	0.0051
Temperature coefficient of Voltage/°C	-0.2775
Temperature coefficient of Power/°C	-0.3859
NOCT	46° ± 2°
Operating Temperature Range	-40° to 85°
Maximum System Voltage (IEC& UL)	1500VDC

Waaree Energies Ltd. is the flagship company of Waaree Group, and has the country's largest Solar PV Module manufacturing capacity of 1.5 GW. In addition, it is one of leading players in India in EPC services, project development, rooftop solutions, solar water pumps, and as an Independent Power Producer. Waaree has its presence in over 250+ locations nationally and 68 countries globally.

\*If you need specific product certificates, and if module installations are to deviate from our guidance specified in our installation manual, please contact your local Waaree sales and technical representatives.

\*\*Refer installation Manual instructions & Waaree warranty statement for terms & conditions.  
Waaree Reserves The Right To Change The Specifications Without Prior Notice.

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