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Solar Panel Guide Specification Data Sheet

Waaree Energies Ltd Aditya Series WS-300-350 WS-330

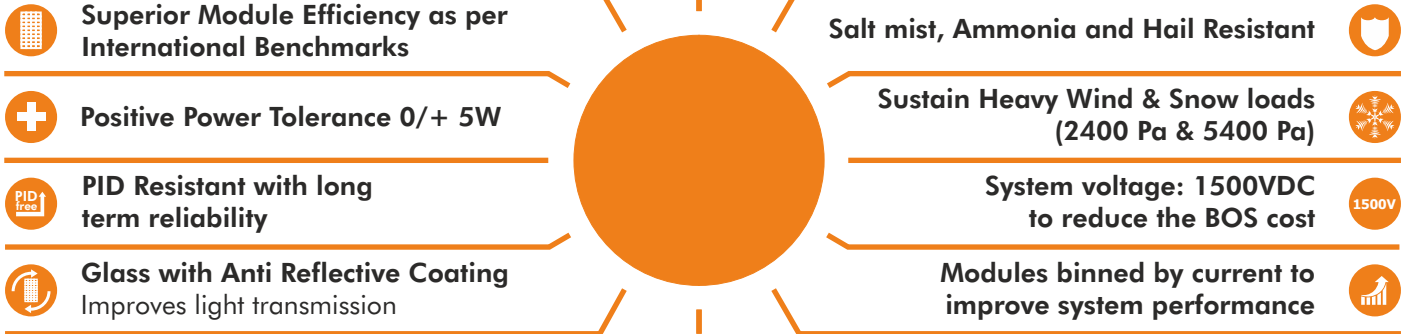
Also available on the web at
EnergyPal.com/waaree-energies-ltd-solar-panels/ws-330

ADITYA SERIES POLY

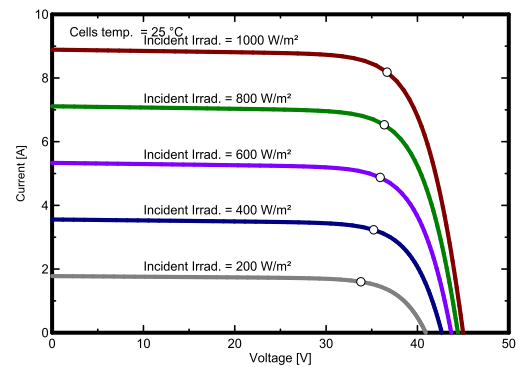
WS-300 to WS-350 (72 Cells)

WAAREE®

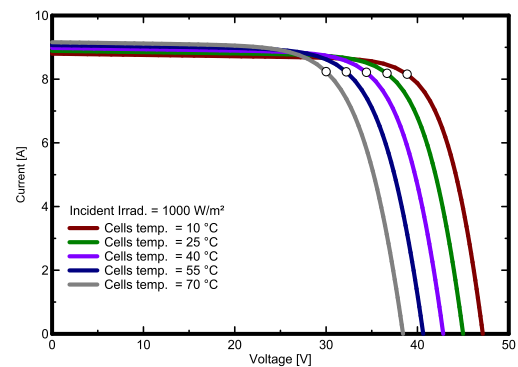
One with the Sun



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

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ADITYA SERIES POLY

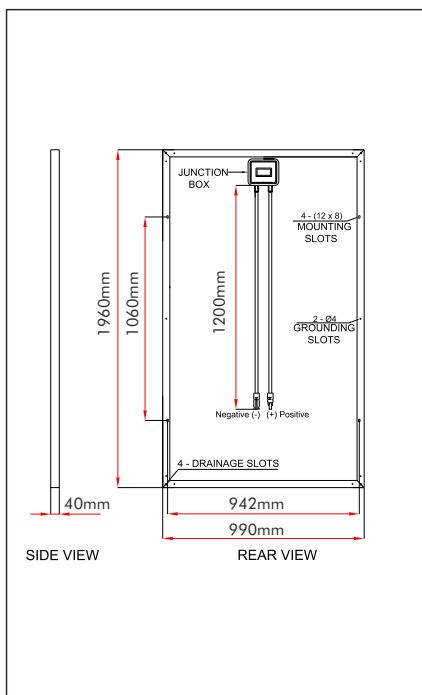
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WAAREE®
One with the Sun

ELECTRICAL CHARACTERISTICS

MODELS	Pmax (W)	Vmp (V)	Imp (A)	Isc (A)	Voc (V)	Module Eff. (%)
WS-300	300	37.05	8.10	8.65	46.10	15.46
WS-305	305	37.20	8.20	8.80	46.20	15.72
WS-310	310	37.35	8.30	8.90	46.30	15.98
WS-315	315	37.50	8.40	9.00	46.40	16.23
WS-320	320	37.65	8.50	9.15	46.50	16.49
WS-325	325	37.80	8.60	9.20	46.60	16.75
WS-330	330	37.95	8.70	9.25	46.70	17.01
WS-335	335	38.10	8.80	9.30	46.80	17.26
WS-340	340	38.25	8.90	9.35	46.90	17.52
WS-345	345	38.55	8.95	9.40	47.00	17.78
WS-350	350	38.90	9.00	9.45	47.10	18.04

DESIGN SPECIFICATIONS



MECHANICAL CHARACTERISTICS

Length x Width x Thickness (L x W x T) - mm	1960 x 990 x 40
Mounting Holes Pitch (Y) – mm	1060
Mounting Holes Pitch (X) – mm	942
Weight (kg)	22.5
Solar Cells per Module (Units) / Arrangement	72 / (12*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	MC4 compatible or IP67 rated
Cable	4 mm ² 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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