

# ARKA SERIES

WSM-305 TO WSM-325

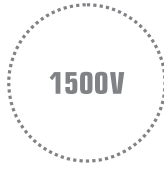
**WAAREE**<sup>®</sup>

One with the Sun

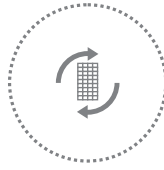
MADE IN INDIA



Superior module efficiency as per international benchmarks



1500 VDC system voltage for lower BoS cost



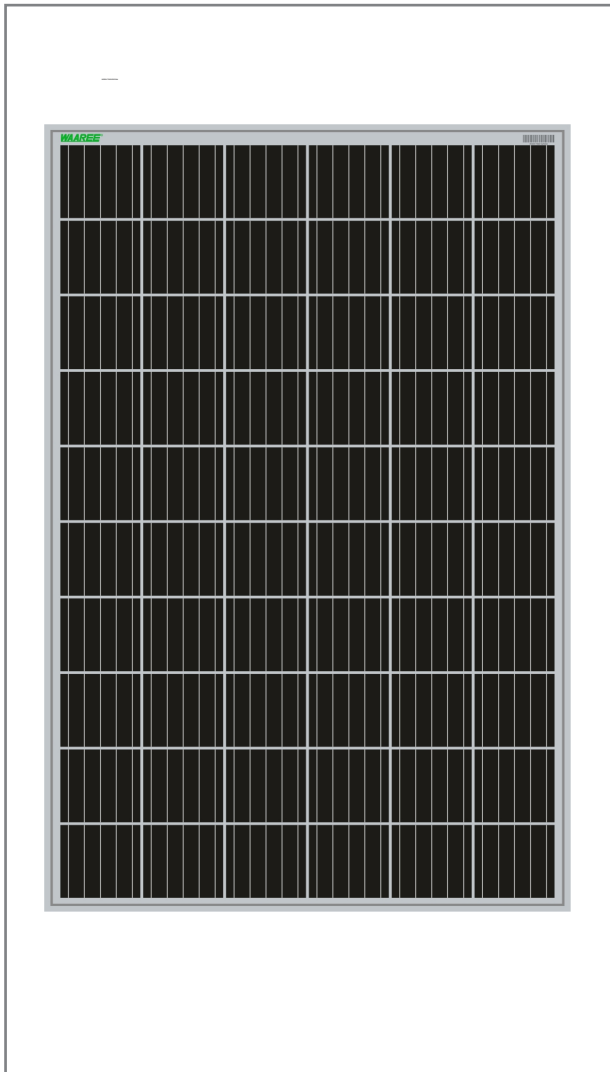
Glass with anti reflective coating improves light transmission



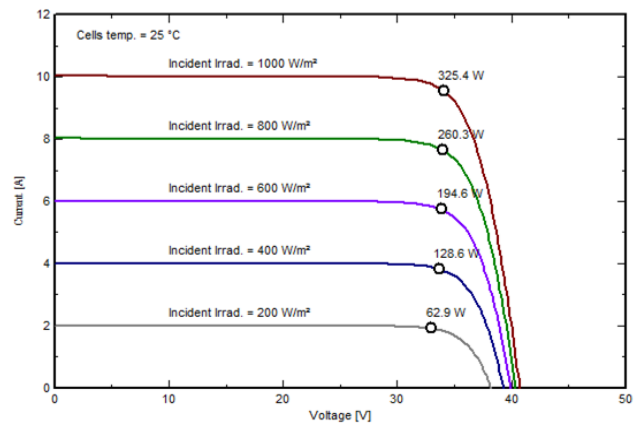
Sustain heavy wind & snow loads



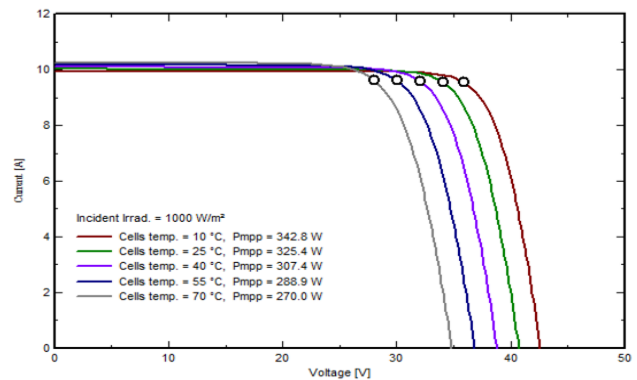
Modules binned by current to improve system performance



## I-V VARIATION WITH IRRADIANCE



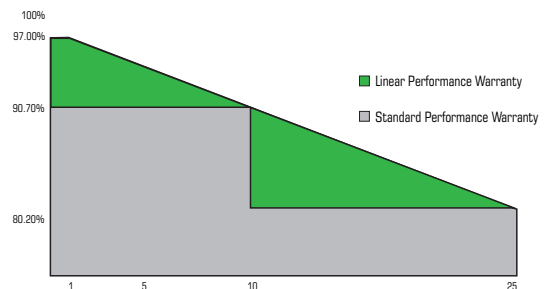
## I-V VARIATION WITH TEMPERATURE



The Graphs are for reference purpose only. Please consult Waaree technical team for further clarifications.

## INTERNATIONAL & NATIONAL CERTIFICATIONS

IEC 61215 | IEC 61730 | UL61730



ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018 certified company

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

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## ELECTRICAL CHARACTERISTICS

Models	Pmax (W) ± 5% Tol	Vmp (V) ± 2% Tol	Imp (A) ± 2% Tol	Isc (A) ± 5% Tol	Voc (V) ± 5% Tol	Module Eff. (%)
WSM-305	305	32.80	9.30	9.80	39.80	18.36
WSM-310	310	32.90	9.43	9.90	39.90	18.66
WSM-315	315	33.00	9.55	10.00	40.00	18.96
WSM-320	320	33.10	9.67	10.10	40.10	19.26
WSM-325	325	33.20	9.79	10.20	40.20	19.56

\*Standard Test Conditions (STC) - 1000 W/m<sup>2</sup> irradiance, Air Mass 1.5 and 25°C cell temperature. Sorting tolerance -5 Wp/+5 Wp.

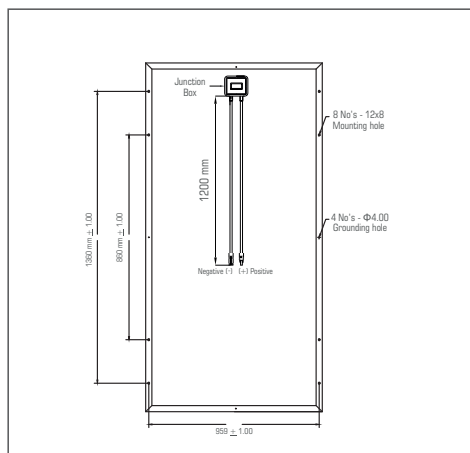
System Voltage	1500 V
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Series Fuse Rating	20A
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## MECHANICAL CHARACTERISTICS

Length x Width x Thickness (L x W x T)	1660 mm (L) x 1001 mm (W) x 40 mm (T)
Weight	19 kgs
Solar Cells per Module (Units) / Arrangement	60 / (10x6)
Solar Cell Type & Size	Mono PERC, 158.75 x 158.75 mm
Front Glass	3.2 mm Low Iron and Tempered glass with ARC coating
Junction Box (Protection degree / Material)	IP67/IP68 / Weatherproof PPO
Connector	SUNTER/ PV-ZH202B
Cable Cross - Section & Length	4 mm <sup>2</sup> & 1200mm
Fire resistance	Class C

## DESIGN SPECIFICATIONS



This module is suitable for mounting with screws only; Not suitable for mounting with clamps.

**10 Years** Product Warranty • **25 Years** Power Output Warranty

- The electrical data given here is for reference purpose only.
- Please confirm your exact requirements with the sales representative while placing your order.
- Refer installation Manual instructions & Waaree warranty statement for terms & conditions.
- Waaree Reserves the right to change the specifications without prior notice.

## THERMAL CHARACTERISTICS

Temperature coefficient of Current (Isc), α (%/°C)	0.05
Temperature coefficient of Voltage (Voc), β (%/°C)	-0.27
Temperature coefficient of Power (Pm), γ (%/°C)	-0.37
NOCT (°C)	46 ± 2
Operating temperature range (°C)	-40 to 85

Waaree Energies Ltd. is amongst the top Solar Energy Companies and has the country's largest Solar PV Module manufacturing capacity of 2 GW. In addition, it is committed to provide top notch EPC services, project development, rooftop solutions, solar water pumps and also in an Independent Power Producer. Waaree has its presence in over 325+ 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.