

ARKA SERIES

WSMB-300 (60 Cells)

WAAREE®

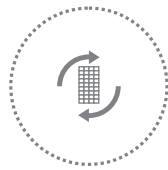
One with the Sun



Superior module efficiency as per international benchmarks



IP67 rated MC4 compatible connectors



Glass with anti reflective coating improves light transmission



Salt mist, blowing sand and hail resistant



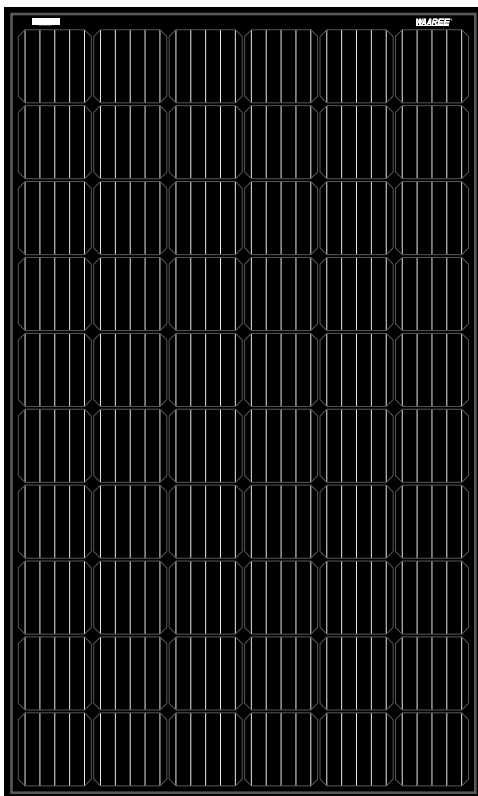
PID resistant with long term reliability



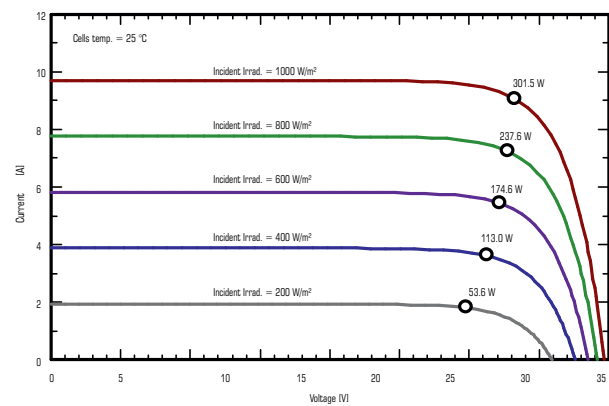
Sustain heavy wind & snow loads (2400 pa & 5400 pa)



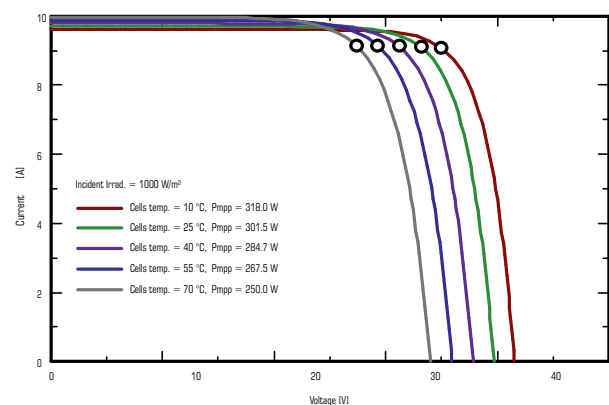
Excellent performance in low light



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.

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ELECTRICAL CHARACTERISTICS

Models	Pmax (W)		Vmp (V)		Imp (A)		Isc (A)		Voc (V)		Module Eff. (%)
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
WSMB-300	300	220.6	32.70	30.25	9.20	7.29	9.70	7.77	39.70	36.91	18.48

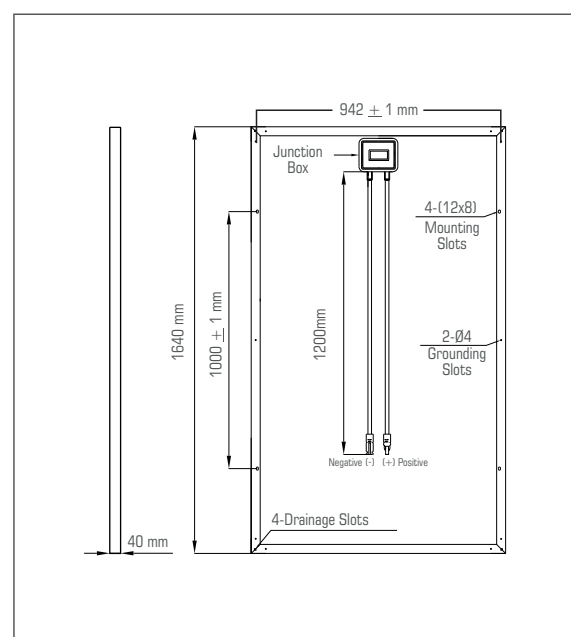
*Standard Test Conditions (STC) - 1000 W/m² irradiance, Air Mass 1.5 and 25°C cell temperature. Nominal Operating Cell Temperature (NOCT) - 800 W/m² irradiance, Air Mass 1.5, Ambient temperature 20°C and Wind speed 1 m/s. Average power reduction of 4.5% at 200 W/m² as per IEC 60904-1. Measuring Uncertainty ± 3%.

System Voltage	1500 V	Series Fuse Rating	16 A
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MECHANICAL CHARACTERISTICS

Length x Width x Thickness (L x W x T)	1640 mm (L) x 990 mm (W) x 40 mm (T)
Weight	18.5 kgs
Solar Cells per Module (Units) / Arrangement	60 / (10x6)
Solar Cell Type & Size	Mono PERC, 156.75 x 156.75 mm
Front Glass	3.2 mm Low Iron and Tempered glass with ARC coating
Encapsulate	Ethylene Vinyl Acetate
Junction Box (Protection degree / Material)	Weatherproof PPO / IP68 rated enclosure with bypass diodes
Connector (Protection degree / Type)	IP68 rated / MC4 compatible
Cable Cross - Section & Length	4 mm ² & 1200mm

DESIGN SPECIFICATIONS



- 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)	0.039
Temperature coefficient of Voltage (Voc), β (%/°C)	-0.2627
Temperature coefficient of Power (Pm), γ (%/°C)	-0.3739
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.

10 Years Product Warranty* • **25 Years** Power Output Warranty**
Minimum 90% at the end of 10 years • Minimum 80% at the end of 25 years

*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.