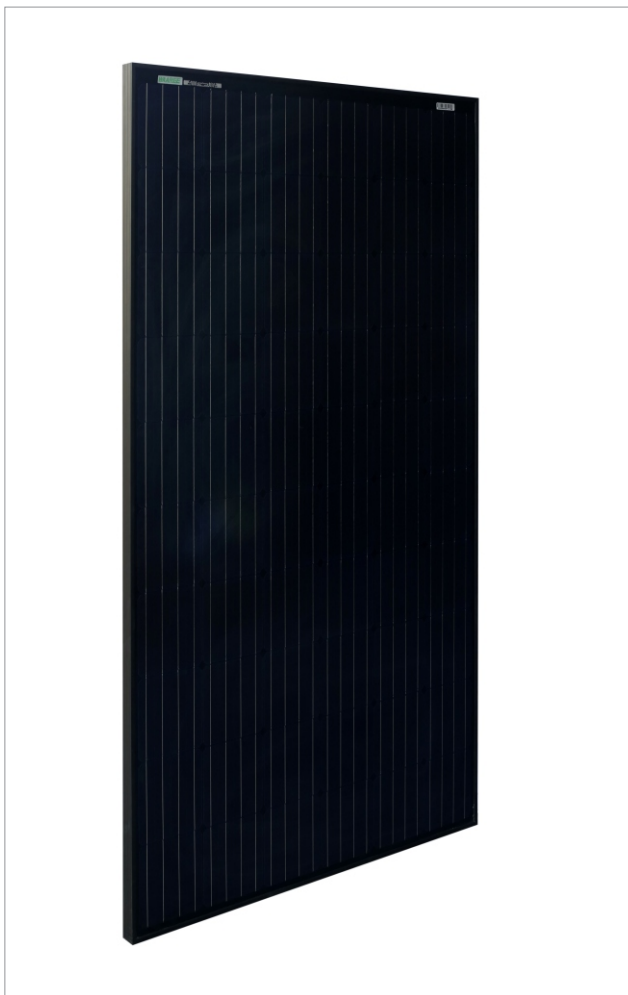
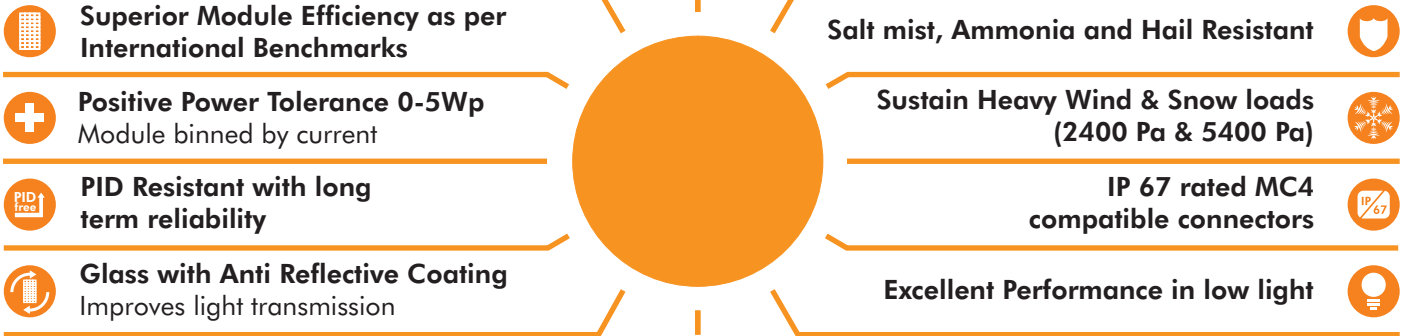


BLACK SERIES MONO

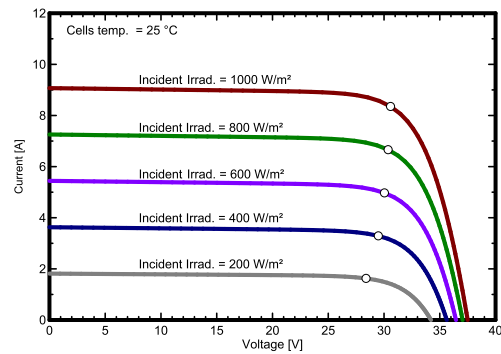
WSMB-300 (60 Cells)

WAAREE®

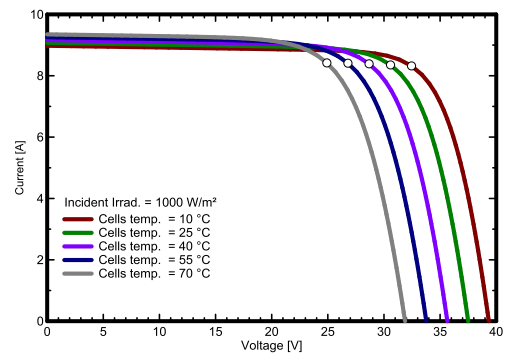
One with the Sun



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
| INMETRO* | FIDE*

ISO 9001:2015 | ISO 14001:2004 | OHSAS 18001:2007 | IEC 61215
IEC 61730-1&2 | IEC 61701 | IEC 62716 | IEC 60068-2-68

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BLACK SERIES MONO

WSMB-300 (60 Cells)

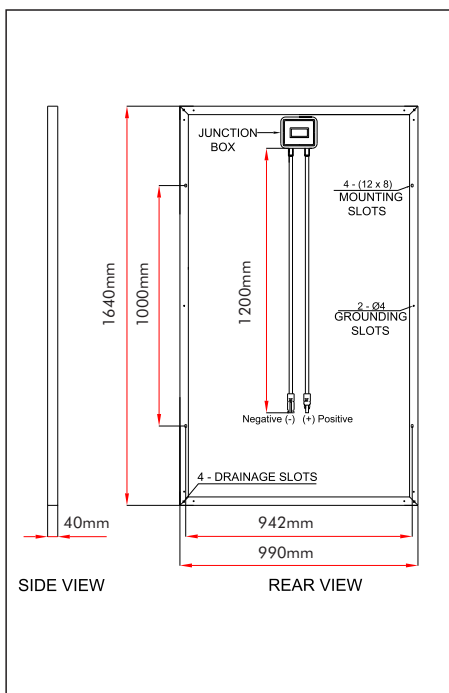
WAAREE[®]
One with the Sun

ELECTRICAL CHARACTERISTICS

MODEL	P _{max} (W)	V _{mp} (V)	I _{mp} (A)	I _{sc} (A)	V _{oc} (V)	Module Eff. (%)
WSM-300	300	32.00	9.38	9.95	38.80	18.49

* Mentioned electrical data are reference values which was derived at STC condition - Temp: 25°, Irradiance: 1000w/m² and Am: 1.5Am with cleaned modules

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	1000.00
Mounting Holes Pitch (X) – mm	942
Weight (kg)	18.5
Solar Cells per Module (Units) / Arrangement	60 / (10 x 6)
Solar Cell Type	Mono crystalline Silicon
Front Cover (Material / Thickness)	Tempered & Low Iron Glass, 3.2/4.0 mm
Encapsulate	Ethylene Vinyl Acetate
Frame Material	Anodized Aluminum Alloy
Junction Box (Protection degree / Material)	Weatherproof PPO / IP67 rated enclosure with bypass diodes
Connector	IP67 rated / MC4 compatible
Cable	4 mm ² cross section
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	0.0039
Temperature coefficient of Voltage/°C	-0.2627
Temperature coefficient of Power/°C	-0.3739
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 To Waaree's Warranty Document For Terms & Conditions
*The Specifications Are For The References Purpose Only.
Waaree Reserves The Right To Change The Specifications Without Prior Notice.

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