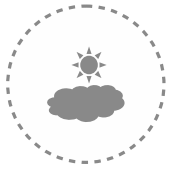


ARKA SERIES

WSMD-380 to WSMD-400

WAAREE®

One with the Sun



Better performance under all climatic conditions



Enhanced power output due to revolutionary design



Split junction box improve heat dissipation



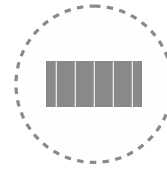
Reduced power losses up to 1/4 times



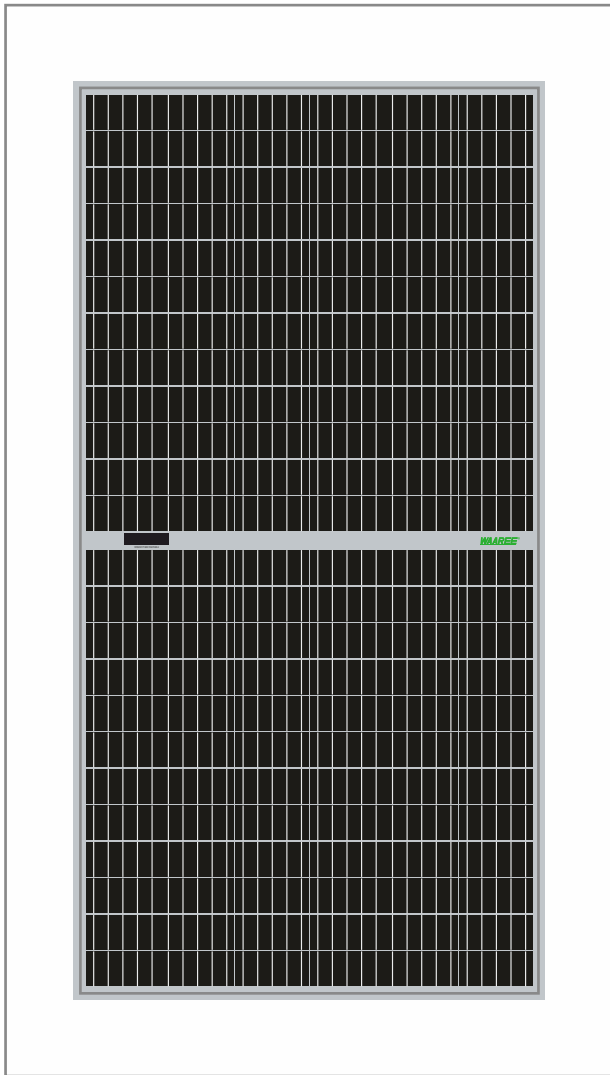
PID resistant with long term reliability



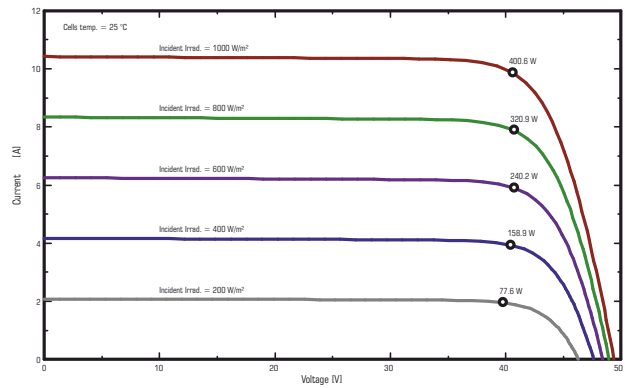
Increase shade tolerance



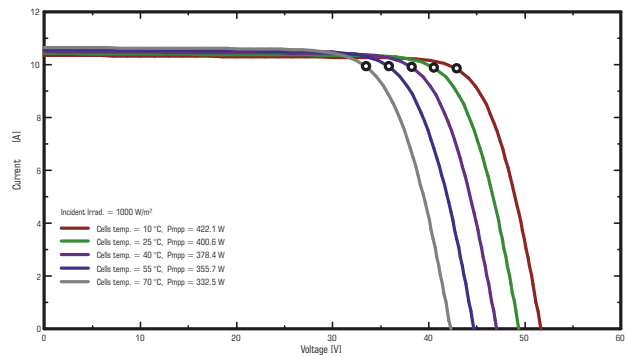
Superior performance of half cell



I-V VARIATION WITH IRRADIANCE



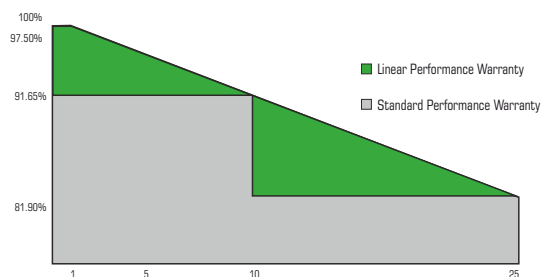
I-V VARIATION WITH TEMPERATURE



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

INTERNATIONAL & NATIONAL CERTIFICATIONS ^

IEC 61215 | IEC 61730 | UL61730
IEC TS 62804-1



ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018
Independent assessment of factories by BLACK & VEATCH

ARKA SERIES

WSMD-380 to WSMD-400

WAAREE[®]

One with the Sun

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	
WSMD-380	380	282.7	39.07	36.58	9.75	7.73	10.16	8.21	48.14	44.73	18.88
WSMD-385	385	286.7	39.32	36.84	9.82	7.78	10.22	8.25	48.45	45.00	19.13
WSMD-390	390	290.2	39.56	37.06	9.88	7.83	10.29	8.31	48.76	45.29	19.37
WSMD-395	395	294.1	39.81	37.32	9.95	7.88	10.35	8.36	49.07	45.58	19.62
WSMD-400	400	297.8	40.07	37.55	10.02	7.93	10.42	8.42	49.39	45.88	19.87

*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%.

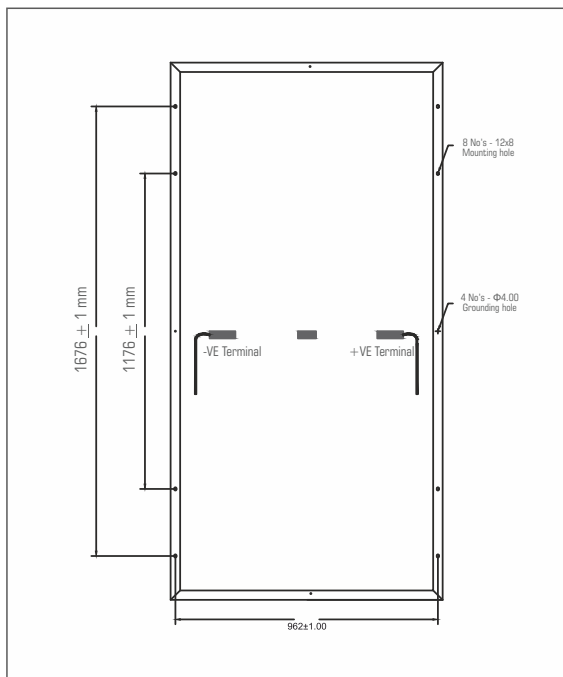
System Voltage	1500 V
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Series Fuse Rating	20 A
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MECHANICAL CHARACTERISTICS

Length x Width x Thickness (L x W x T)	2007 mm (L) x 1003 mm (W) x 40 mm (T)
Weight	23.5 kgs
Solar Cells per Module (Units) / Arrangement	144 cells / (12x6 12x6)
Solar Cell	Mono PERC
Front Glass	3.2 mm Low Iron and Tempered glass with ARC coating
Encapsulate	PID Free & UV Resistant
Junction Box (Protection degree/ Material)	IP68 / Weatherproof PPO
Cable & Connector (Protection degree / Type)	IP68 rated / MC4 compatible
Cable cross - section & Length	4 mm ² & 500mm
Frame	Anodized Aluminium Alloy

DESIGN SPECIFICATIONS



10 Years Product Warranty • 25 Years Power Output Warranty

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)	43 ± 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.

(^) Certification under progress

- 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.

www.waaree.com