ELITE SERIES N-TYPE

WSMT-615 to WSMT-645

Framed Glass White Backsheet Monofacial module





Highest reliability & enhanced crack tolerance MBB module



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



Best in class thermal coefficients



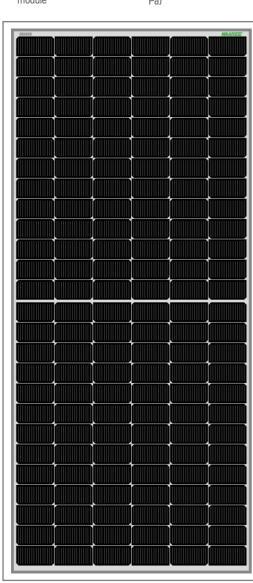
Highest commercial gains, lower LCOE



Better weak light performance



Excellent PID resistance



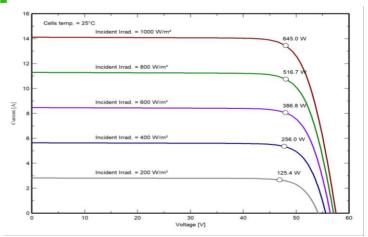




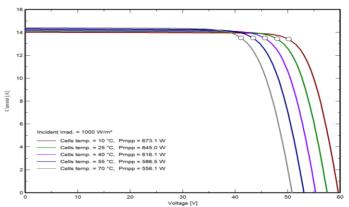


IEC 61215, IEC 61730 UL 61730-1, UL 61730-2

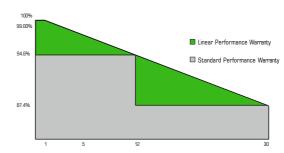
I-V VARIATION WITH IRRADIANCE



I-V VARIATION WITH TEMPERATURE



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



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

ELITE SERIES N-TYPE

Models

WSMT-615

WSMT-620

WSMT-625

WSMT-630

WSMT-635

WSMT-640





STC

47.27

47.44

47.60

47.73

47.89

48.01

Vmp (V)

NOCT

44.06

44.21

44.36

44.48

44.63

44.75

ELECTRICAL CHARACTERISTICS

STC

615

620

625

630

635

640

Pmax (W)

NOCT

464.30

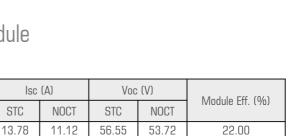
468.10

471.90

475.70

479.40

483.20



53.87

54.04

54.17

54.32

54.46

One with the Sun

22.18

22.36

22.54

22.72

22.90

WSMT-645 645 487.00 48.17 44.89 13.39 10.82 14.11 11.39 57.49 54.61 23.07 *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 \pm 3%

Imp (A)

STC

13.01

13.07

13.13

13.20

13.26

13.33

NOCT

10.51

10.56

10.61

10.67

10.71

10.77

STC

13.83

13.88

13.94

13.99

14.05

11.16

11.20

11.25

11.29

11.34

ı		
ı	System Voltage	1500 V
ı	Cybbolli Vollago	1000 V

Series Fuse Ratting	30 A

56.71

56.88

57.02

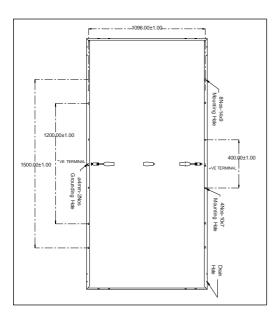
57.18

57.33

THERMAL CHARACTERISTICS

Temperature coefficient of Current (Isc), α (%/°C)	0.046
Temperature coefficient of Voltage (Voc), B (%/°C)	-0.26
Temperature coefficient of Power (Pm), γ (%/°C)	-0.30
NOCT (°C)	43 ± 2
Operating temperature range (°C)	-40 to 85

DESIGN SPECIFICATIONS



MECHANICAL CHARACTERISTICS

Length x Width x Thickness (L x W x T)	2465 mm (L) x 1134 mm (W) x 35 mm (T)
Weight	30 kgs
Solar Cells per Module (Units) / Arrangement	156 cells / (13x6 13x6)
Solar Cell Type & Size	M10/M10R N-type TOPCon Bifacial
Front Glass (Material / Thickness)	3.2 mm Low Iron HTAR Tempered glass
Backsheet	White Backsheet
Encapsulate	PID Free & UV Resistant
Junction Box (Protection degree / Material)	IP68 / Weatherproof PP0
Cable & Connector (Protection degree / Type)	IP68 rated / MC4 compatible
Cable cross - section & Length	4 mm ² & 500mm
Frame	Anodized Aluminium Alloy

Waaree Energies Ltd. is amongst the top Solar Energy Companies and has the country's largest Solar PV Module manufacturing capacity of 12 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 350+ locations nationally and 68 countries globally

.12 Years Product Warranty • 30 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.

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